

# CHEMICAL COMPATIBILITY TABLE

For ChemQuik<sup>®</sup>, DrumQuik<sup>®</sup>, DrumQuik PRO & Other Common CPC Series Coupling Materials  
(Updated 01/20/2009)

**INTERPRETATION OF TEST DATA**

	SWELLING (In 30 days to 1 year of exposure)	LOSS OF TENSILE STRENGTH (Plastics) (Elastomers)	DESCRIPTION OF CHEMICAL ATTACK
<b>A</b>	Linear (Plastics) < 10%	Volumetric (Elastomers) <= 15%	Excellent, little or no swelling, softening or surface deterioration
<b>B</b>	< 15%	< 30%	Good chemical resistance, minor swelling, softening or deterioration
<b>C</b>	< 20%	< 50%	Limited chemical resistance, moderate attack, conditional service
<b>NR</b>	> 20%	> 50%	Severe attack, not recommended for use

NOTE: All temperatures are in degrees Fahrenheit. Conversion: °C = (°F - 32)/1.8

CHEMICAL Name	Formula (CAS #)	SPRING Materials					COUPLING Materials							SEAL Materials							
		Hastelloy C (276)	316 SS	PPS	PEEK™	Teflon <sup>®</sup> Encapsulated 316SS	Polypropylene	HDPE	PVDF	PTFE/PFA	Acetal/POM (Celcon)	ABS	Polysulfone	Polycarbonate	FKM (Viton <sup>®</sup> )	EPDM	FFKM (Chemraz <sup>®</sup> / Simriz <sup>®</sup> / Kalrez <sup>®</sup> )	Buna	TPO (Santoprene)	Silicone	
<b>Acetic Acid</b>	<b>C<sub>2</sub>H<sub>4</sub>O<sub>2</sub></b> <b>(64-19-7)</b>	A to 212°	A to 212°	A	A	A	A to 140°	AB to 100% to 70°	A to 122°	A	A to 5% to 70°	AB 10% to 70°	A to 100% to 70°	A to 50% to 70°	A to 70°	A to 70°	A	B to 30% at 70°	A to 30% to 70°	A	
<b>Acetic Anhydride (Acetyl Oxide)</b>	<b>C<sub>4</sub>H<sub>6</sub>O<sub>3</sub></b> <b>(108-24-7)</b>	A	A to 40% to 165° A 40-100% to 300°	A to 200°	NO DATA	(PTFE Encapsulated 316 Stainless St.)	AB 50-100% to 160° AB to 80% to 180°	B/NR 100% 70-180°	AB to 10% to 225° AB to 50%, 150-200°	A	NR at 70°	NR 50-100% @ 70°	NR at 70°	NR at 70°	B to 200°	A	A	B to 20% to 185° C at 80% at 70° C at 100% at 70°	A to 70°	A	
<b>Acetone (Dimethyl Keytone)</b>	<b>CH<sub>3</sub>COCH<sub>3</sub></b> <b>(67-64-1)</b>	A	A to 212°	A to 200°	A to 212°	(PTFE Encapsulated 316 Stainless St.)	A	C at 70°	A to 10% to 122° AB 50% to 77°	A	A to 5% to 140° B at 70°	B 10% @ 70°	A to 20% to 70° NR at 100% at 70°	A to 70° NR 10-100% at 70°	A to 200°	A	A	125% vol 3 days 70° NR any conc at 70°	AB to 70°	A	
<b>Acetonitrile (Methyl Cyanide)</b>	<b>CH<sub>3</sub>CN</b> <b>(75-05-8)</b>	B @ 70°	A@100% to 100° NR 4% @ 192°	A to 200°	A to 70°	(PTFE Encapsulated 316 Stainless St.)	AB to 75° NR @ 122°	A to 122°	A to 125° B @ 150° NR @ 180°	A	NR at 70°	NO DATA	NR at 70°	NR at 70°	A	A	A	C at 70°	NR	A	
<b>Aluminum Sulfate (Aluminum Salt)</b>	<b>Al<sub>2</sub>O<sub>12</sub>S<sub>3</sub></b> <b>(10043-01-3)</b>	A to 165°	A to 50% to 212° AB 50-100%	A to 100% to boiling	A to 212°	A	A to 100% to 160° A to 10% to boiling AB 100% at 250°	A to 160°	A to 100% to 280° A 10% to boiling	A	A to 10% to 70° AB to 100% to 180°	A to 70° AB to 120°	A to 100% to 200° A to 10% to boiling	A to 100% to 200°	A to 100% to 176° A to 10% to boiling	A to 176° AB to 200°	A to 70°	A to 70° AB any conc to 180°	A to 70°	A to 70°	
<b>Amines (General)</b>	<b>NA</b>	A to 85% to 160° AB to 200°	A	A to 70°	A to 70°	A	A	NR	NR	A	NR at 70°	NO DATA	NO DATA	NR at 70°	NR	AB to AC	A	NR at 70°	A to 70°	A	
<b>Ammonia Gas (Anhydrous)</b>	<b>NH<sub>3</sub></b> <b>(7664-41-7)</b>	A @ 100% to 140°	A to 40% to 165° A 40-100% to 212°	A to 200°	A	(PTFE Encapsulated 316 Stainless St.)	A to 100% to 212°	A to 140°	A	A	NR at 70°	B @ 70°	C at 70°	NR at 70°	NR	A to 140°	A (Black 550) AB (White 571 & 592)	A to 104° B to 140° NR at 200°	A	A (Black 550) AB (White 571 & 592)	
<b>Ammonia (Aqueous) (Ammonium Hydrate) (see also Ammonium Hydroxide) Ammonium Acetate</b>	<b>NH<sub>3</sub></b> <b>(7664-41-7)</b> <b>C<sub>2</sub>H<sub>7</sub>NO<sub>2</sub></b> <b>(631-61-8)</b>	A to 100% to 70° AB to 100% to 200°	A to 100% to 70° AB to 212°	A to 30% to 70° A to 10% to 200°	AB	(PTFE Encapsulated 316 Stainless St.)	A to 185°	BC to 30% to 120° NR to 30% at 140°	A	A	A/NR 10-30% to 120°	B @ 70°	AB to 30% to 200°	NR 70-150°	AB 30% to 70° C 10% @ 104° Ammonia H2O	A to 100% to 212°	A	A to 38% to 200°	A to 70°	A	
<b>Ammonium Fluoride</b>	<b>NH<sub>4</sub>F</b> <b>(12125-01-8)</b>	A to 25% to 175° A 45% to 260°	AB to 10% to 212° NR > 10%	NR	NO DATA	(PTFE Encapsulated 316 Stainless St.)	A	AC 25-100% to 120° A to 25% to 160°	A	A°	NO DATA	NO DATA	NO DATA	NR at 70°	A to 140°	A to 140°	A	AB any conc to 104°	NO DATA	A	
<b>Ammonium Hydroxide (Ammonia, Aqueous)</b>	<b>NH<sub>4</sub>OH</b> <b>(1336-21-6)</b>	A to 47% to 70° A@100% to 150° AB@100% to 200°	A to 100% to 70° A@100% to 150°	A to 200°	A to 212°	(PTFE Encapsulated 316 Stainless St.)	A	AB to 100% to 140°	A to 200°	A	AB to 100% to 140°	B @ 70°	A to 100% to 200°	BC 5% at 70° NR 10-100% 70° NR 5% at 120° B 104-140°	A46% to 70° AB to 70° B 104-140°	A to 160° AB to 200°	A	A to 38% to 200° A/NR conc to 140°	A to 70°	A	
<b>Ammonium Sulfate (Dolamin)</b>	<b>(NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub></b> <b>(7783-20-2)</b>	A to 10% to boiling A sat. to 130° AB sat. to 200°	A to 37% to 221° AB 38-80% to 150° A sat'd to boiling	A to 200°	A	(PTFE Encapsulated 316 Stainless St.)	A	A to 100% to 70° AB to 100% 120-180°	A	A to 400°	B 100% 70-140° AB fertilizer to 70° AB to 5% to 70°	A to 70° AB @ 120°	A to 100% to 200° A to sat'd to boiling	A to 100% to 200° NR 10-100%boiling	A to 70°	A to 120°	A	A any con to 200°	A to 70°	A	
<b>Aqua Regia (Nitrohydrochloric Acid)</b>	<b>HCL-HNO<sub>3</sub></b> <b>(8007-56-5)</b>	(Titanium: A to 70°) (Tantalum: A)	NR	NR	NR	(PTFE Encapsulated 316 Stainless St.)	C at 70 - 104°	NR	A to 100° AB to 178° B a 212°	A	NR at 70°	NR	NR at 70°	NR at 70°	A to 70° B to 185°	B to 104° NR at 140°	A (White 571 & 592) AB to 70° (Black 550)	NR at 70°	NR	A (White 571 & 592) AB to 70° (Black 550)	
<b>Benzene (Mineral Naphtha) (Benzol)</b>	<b>C<sub>6</sub>H<sub>6</sub></b> <b>(71-43-2)</b>	AB @100% to 140° B to 100% to Boiling	A to 20% to 217° AB 20-100% to 200°	A to 100°	A to 212°	(PTFE Encapsulated 316 Stainless St.)	AB to 10% to 70° AB dilute to 140°	A to 10% to 70° C/NR at 100% at 70°	A to 100% to 120° B at 100% at 120-140° 3 at 100% at 140-158°	A to 500°	A to 140°	NR	NR at 70°	NR at 70°	B to 158°	NR at 70°	A to 70°	NR at 70°	NR	NR at 70°	
<b>Butyl Acetate (N-Butyl Acetate)</b>	<b>C<sub>8</sub>H<sub>12</sub>O<sub>2</sub></b> <b>(123-86-4)</b>	A	A	A to 200°	A to 70°	A to 500°	NR	AC at 70°	A to 70°	A to 500°	AB to 70°	NO DATA	NR at 70°	NR at 70°	NR at 70°	B to 70°	A	NR at 70°	BC @ 70°	NR at 70°	
<b>Butyl Alcohol (N-Butanol)</b>	<b>C<sub>4</sub>H<sub>10</sub>O</b> <b>(71-36-3)</b>	A	A	A to 200°	A to 70°	A	AB to 100% to 180°	A to 150°	AB at 80-100° C at 104-120° NR @ 150°	A	A to 70° AB to 140°	NR	A to 200 (No Stress) B @ 70° < 1 KSI NO DATA	A to 200° (No Stress) AB to 70° C at 70-150°	A to 70°	AB to 100°	A	A to 100% to 140° AB to 190°	B @ 70°	B @ 70° (Static) C @ 70° (Dynamic)	
<b>Calcium Carbonate (Aglime)</b>	<b>CCaO<sub>3</sub></b> <b>(471-34-1)</b>	B to 100% to Boiling	A Dilute to 120° AB@100%	A to 150°	A to 70°	A to 500°	A to 248°	A to 160°	A to 258° AB to 285°	A to 500°	A to 10% to 150° AB to 180°	NO DATA	NO DATA	NO DATA	AB to 140°	A to 140°	A to 70°	A to 200°	A to 70°	AC to 70°	
<b>Caprylic Acid (Octanoic Acid)</b>	<b>C<sub>8</sub>H<sub>16</sub>O<sub>2</sub></b> <b>(124-07-2)</b>	NO DATA	NO DATA	NO DATA	NO DATA	A	A to 125° BC @ 250°	BC @ 70 - 150°	A to 158° B/NR 175-285°	A	NO DATA	NO DATA	NO DATA	NO DATA	AB to 140°	NO DATA	A	C @ 70°	NO DATA	NO DATA	
<b>Ceric Ammonium Nitrate (CAN)</b>	<b>CeH<sub>8</sub>N<sub>8</sub>O<sub>18</sub></b> <b>(16774-21-3)</b>	NO DATA	NO DATA	NO DATA	NO DATA	A	NO DATA	NO DATA	NO DATA	A	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA
<b>Chlorine (Anhydrous) (Dichlorine, Chlorinated water) Chlorine Dioxide (Chlorine Peroxide) (CDG Solution 3000, 0.3% Sol.) CLOROX (5.25% Sodium Hypochlorite)</b>	<b>CL<sub>2</sub></b> <b>(7782-50-5)</b> <b>CLO<sub>2</sub></b> <b>10049-04-4</b> <b>CLNaO</b>	A to 140° (to 10 ppm to 70°)	A to 70° (to 10 ppm to 70°)	NR	A to 10% to 70° NR Conc. @ 70°	(PTFE Encapsulated 316 Stainless St.)	NR	A to 2% to 140° NR	A to 100% to 200° AB at 100% to 230° NR	A	NR at 10-100% at 70°	NR	NR at 70°	NR at 70°	C 400 ppm at 70° B 400 ppm at 104° C 400 ppm at 104°	B 400 ppm at 70° C 400 ppm at 104°	A to 70°	A	C sat'd at 70° NR 400 ppm at 70°	NR	NR at 70°
<b>Citric Acid</b>	<b>C<sub>6</sub>H<sub>8</sub>O<sub>7</sub></b> <b>(77-92-9)</b>	A to boiling	A to 50% B@100% 70-212° NR 60-100% >125°	A to 223°	A to 212°	(PTFE Encapsulated 316 Stainless St.)	A	A to 100% to 160° AB to 100% at 180°	A	A	AB at 15% at 140-150° B at 15-100% at 70° C at 100% at 140-150° AB to 100% to 140°	A 10% to 70° B 20% 2 70°	A to 100% to 150° A to 100% 10 70°	A to 100% to 70° B at 10-15% at 120° C at 15% at 150°	A	A	A	A to 200° B at 212°	A to 70°	A	
<b>Copper Sulfate (Cupric Sulfate)</b>	<b>CuO<sub>4</sub>S</b> <b>(7758-98-7)</b>	A to boiling	A to 100% to 160° A to 45% to 180° A to 10% to 2121°	A to 223°	A to 212°	(PTFE Encapsulated 316 Stainless St.)	A	A to 50% to 150° AB at 50-100% to 180°	A	A	A to 70°	A to 70°	A to 200°	A to 100% to 70°	A to conc. to 176° AB to 212°	A to conc. to 176° AB to 212°	A	A to conc to 176° AB any conc to 212°	A 5% to 70° A sol'n to 70°	A	
<b>Corn Oil</b>	<b>NA</b>	A	A	A to 100°	A to 70°	A	A	A	A	A	AB	A to 70°	A	A	NR	A	A	A	A to 212°	A	
<b>Corn Syrup</b>	<b>NA</b>	NO DATA	A	A to 100°	A to 70°	A	A	A to 150°	A	A	AB to 140°	AB to 70°	A	A	A	A	A	A	NO DATA	A	
<b>Cotton Seed Oil</b>	<b>NA</b>	A	A	A to 200°	NO DATA	A	A	A to 140°	A	A	AB	NO DATA	A	A	A	A	A	A	AB to 70°	A	
<b>CRESOL (M, O &amp; P)</b>	<b>C<sub>14</sub>H<sub>16</sub>O<sub>2</sub></b>	AB to 200°	AB 100° A 100% to 140°	A to 200°	A to 70°	A	NR	AB to 50% C/NR 50-100% @ 70°	A to 150°	A	NR 50 - 100%	NR	NO DATA	NR	A to 104°	NR	A	C/NR	NR	B/NR	

# CHEMICAL COMPATIBILITY TABLE

For ChemQuik<sup>®</sup>, DrumQuik<sup>®</sup>, DrumQuik PRO & Other Common CPC Series Coupling Materials  
(Updated 01/20/2009)

**INTERPRETATION OF TEST DATA**

	SWELLING (In 30 days to 1 year of exposure)	LOSS OF TENSILE STRENGTH	DESCRIPTION OF CHEMICAL ATTACK
<b>A</b>	Linear (Plastics) < 10%	Volumetric (Elastomers) <= 15% (Plastics) < 15%	Excellent, little or no swelling, softening or surface deterioration Good chemical resistance, minor swelling, softening or deterioration Limited chemical resistance, moderate attack, conditional service Severe attack, not recommended for use
<b>B</b>	< 15%	<= 30%	
<b>C</b>	< 20%	<= 50%	
<b>NR</b>	> 20%	> 50%	
<b>NOTE: All temperatures are in degrees Fahrenheit. Conversion: °C = (°F - 32)/1.8</b>			

CHEMICAL Name	FORMULA (CAS #)	SPRING Materials					COUPLING Materials										SEAL Materials			
		Hastelloy C (276)	316 SS	PPS	PEEK™	Teflon <sup>®</sup> Encapsulated 316SS	Polypropylene	HDPE	PVDF	PTFE/PFA	Acetal/POM (Celcon)	ABS	Polysulfone	Polycarbonate	FKM (Viton <sup>®</sup> )	EPDM	FFKM (Chemraz <sup>®</sup> / Simriz <sup>®</sup> / Kalrez <sup>®</sup> )	Buna	TPO (Santoprene)	Silicone
<b>Cyclohexanone (Cyclohexyl ketone)</b>	<b>C<sub>6</sub>H<sub>10</sub>O (108-94-1)</b>	A to 100°	A to 100 to 100°	A to 200°	A to 70°	A to 500°	AB to 70° B at 70-100° NR at 120°	NR	AB to 122°	A to 500°	A to 70° AB to 140°	NR	NR at 70°	NR at 70°	NR at 70°	BC at 70°	B at 70°	NR at 70°	NR	NR at 70°
<b>Dichloroacetic Acid (DCA)</b>	<b>Cl<sub>2</sub>CHCO<sub>2</sub>H (79-43-6)</b>	NO DATA	NO DATA	NO DATA	NO DATA	A (PTFE Encapsulated 316 Stainless St.)	AB to 100% to 125°	BC at 70°	AB to 50% to 212° AB 100% to 125°	A	NO DATA	NO DATA	NO DATA	NR	NO DATA	A	NR at 70°	NO DATA	A	
<b>Dichloromethane (Methylene Dichloride)</b>	<b>CH<sub>2</sub>Cl<sub>2</sub> (75-09-2)</b>	AB	A to 70°	A 100% to 70° A/NR 40% @ 100°	NR	A (PTFE Encapsulated 316 Stainless St.)	B/NR @ 70° C/NR @ 88-122°	NR	AB to 100° to 100° B 100% 104 - 125°	A	A to 70°	NR	NR at 70°	NR at 70°	B @ 70°	BC to 130° NR @ 140°	A	NR at 70°	NR	A
<b>Diesel Fuel</b>	<b>N/A</b>	A to 140° AB to 200°	A to 200°	A to 200°	A to 70°	A	AC @ 70° BC @ 120°	A to 70° BC @ 140°	AB to 125°	A	A to 150°	NO DATA	A to 200°	A to 200°	A to 70°	NR	A	A to 70° AB to 250°	C/NR	NR
<b>Diethanolamine (DEA)</b>	<b>C<sub>4</sub>H<sub>11</sub>NO<sub>2</sub> (111-42-2)</b>	A	A	NO DATA	NO DATA	A	A 100% to 150° AB 100% to 225°	AB to 70°	NR	A	NO DATA	NO DATA	A to 70°	NO DATA	NR B (HIFLUOR)	AB 70-160°	A	NR	A to 70°	NR
<b>Dimethyl Acetamide (DMAC)</b>	<b>C<sub>4</sub>H<sub>9</sub>NO (127-19-5)</b>	A	A	NO DATA	NO DATA	A	AB to 125°F	A to 122°	NR	A	NO DATA	NO DATA	NR at 70°	NR at 70°	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA
<b>Dimethyl Sulfoxide (DMSO)</b>	<b>C<sub>2</sub>H<sub>6</sub>OS (67-68-5)</b>	A	A	A to 200°	B @ 70-122°	A	A to 125°	A to 122°	NR	A	NR	NO DATA	NR	NR	"A" for "F Type" (HIFLUOR)	A to 70° AB to 200°	A	NR	A	A (Static) C (Dynamic)
<b>DI water (Deionized Water) (Ultra Pure Water, 17 megaohm +)</b>	<b>H<sub>2</sub>O</b>	A	3 @ 12 - 18.2 megaohm A @ < 12 megaohm	A to 200°	A	A (PTFE Encapsulated 316 Stainless St.)	A	A to 140°	A	A	NO DATA	A to 70°	A to 200°	NO DATA	A to 70° AB to 200°	A to 70° AB to 200°	A	A to 70° AB to 200°	NO DATA	A
<b>Ether (Ethyl Ether) (Diethyl Oxide) Ethyl Acetate (Acetic Ether)</b>	<b>C<sub>4</sub>H<sub>10</sub>O (60-29-7) C<sub>4</sub>H<sub>8</sub>O<sub>2</sub> (141-78-6)</b>	A@100% to 200° A to 56% to 171°	A@100% to 212°	A to 200°	A to 212°	A (PTFE Encapsulated 316 Stainless St.)	NR	NR at 100% at 140°	AB to 94° B @ 104° NR @ 140° A to 70°	A	A to 70° AB at 140°	NR	NR at 70°	NR at 70°	NR	NR	A @ 100% to 130°	A	NR at 70°	NR @ 200°
<b>2 Ethoxy Ethyl Acetate (Ethoxyethanol Acetate)</b>	<b>C<sub>8</sub>H<sub>12</sub>O<sub>3</sub> (111-15-9)</b>	A	A	A	A to 70°	A	BC @ 70-120° NR @ 140°	AB to 122°	A	A	A to 70°	NO DATA	NR	NR	C/NR AB (HIFLUOR)	B	A	NR	C/NR	NR
<b>Ethyl Alcohol (Ethanol/Grain Alcohol) (Denatured Alcohol)</b>	<b>C<sub>2</sub>H<sub>5</sub>OH (64-17-5)</b>	A to 100% to 212°	A to 100% to 200°	A	A to 212°	A (PTFE Encapsulated 316 Stainless St.)	A to 100% to 180°	A to 100% to 160°	A to 100% to 176° AB to 100% to 280°	A	A to 96-100% to 70° B at 100% at 120-180°	AB to 70° (No stress)	A to 70% to 70° B at 100% at 70-120° NR at 100% at 200°	A to 90% to 70° AB at 96-100% to 70° B at 40-100% at 120°	A to 70°	A to 200°	A	A to 140° B to 185°	A to 70°	A
<b>Ethylene Glycol (Glycol Alcohol) (Prestone<sup>®</sup>)</b>	<b>HOCH<sub>2</sub>-CH<sub>2</sub>OH (107-21-1)</b>	A 20-100%	A 40-100% to 200° A 100%	A to 200°	A to 212°	A (PTFE Encapsulated 316 Stainless St.)	A	A to 160°	A	A	A to 100% to 120° AB to 140° B at 180°	A to 70° B @ 140°	A to 100% to 200° A to 100% to 200°	A to 160° B to 200°	A to 250°	A to 212°	A	A to 212°	A	A
<b>Ethylene Glycol Mono Butyl Ether (Butyl Cellosolve)</b>	<b>C<sub>8</sub>H<sub>14</sub>O<sub>2</sub> (111-76-2)</b>	A to 200°	A to 200°	A to 200°	NO DATA	A	AB to 140°	B/NR@70°	A to 104° NR @ 212°	A	AB to 70°	NO DATA	A to 70° BC @ 120°	NR	NR (HIFLUOR* OK)	A to 200°	A	C 70 - 150°	A to 70°	NR
<b>Ferric Sulfate (Sulfuric Acid)</b>	<b>Fe<sub>2</sub>O<sub>12</sub>S<sub>3</sub> (10028-22-5)</b>	A to 100% to 140°	A to 10% to 212° A 20-100% to 140°	A	A	A	A	A to 100% to 150°	A	A	B to 180°	A to 70° AB @ 120°	A to 100% to 200°	A to 70°	A to 176° B @ 212°	A to 176° AB to 200°	A	A to 140° AB to 200°	A to 70°	AB to 160°
<b>Formaldehyde (Formalin)</b>	<b>CH<sub>2</sub>O (500-00-0)</b>	A to 20% B 20-100% to 200°	A	A to 100% to 70° NR 37% @ 200°	A	A	A	A to 80° B @ 150°	A to 100% to 104° A to 37% AB 40-100% @ 140°	A	A to 70° AB to 40% 140-180°	A to 40% to 70° AB 40% @ 120°	AB to 100% to 70°	A to 100° AB to 100% @ 120°	A to 176° A to 37% to 212°	A to 120° A to 37% to 212°	A to 104°	A to 40% to 140° B @ 40% @ 212°	AB to 70°	B 40-100% @ 70°
<b>Formic Acid (Formylic Acid)</b>	<b>CH<sub>2</sub>O<sub>2</sub> (64-18-6)</b>	A to 100% to 200°	A to 5% AB 5 - 80% to 212° B 80 - 100% to 212°	A to 100% to 70° A to 40% to 200° NR @ 37% @ 150°	AB to 10% to 70° BC 100% @ 70°	A (PTFE Encapsulated 316 Stainless St.)	A to 100% to 70° A to 40% to 104° C 100% @ 140°	A to 100% to 104° AB at 50-100% at 140-150° BC at 100% at 180°	A to 100% to 212°	A	NR at 3-100% at 70°	A to 10% to 70° NR @ 70°	A to 10% to 70° i at 10-50% at 70-120° C 98-100% at 70-120°	A to 50% to 70° AB at 50-100% to 70° B at 3-50% at 120°	AB to 50% to 104° NR 60-100% @ 70°	A to 200° A to 90% to 212°	B	B to 50% at 70° NR 50-100% at 70° NR at 100% at 140°	A to 70°	B
<b>Gasoline (Petrol)</b>	<b>NA</b>	A	A to 200°	A to 176°	A to 212°	A to 500°	NR at 70°	NR	A to 275° AB to 285°	A to 500°	A to 70°	NR	A to 70°	A to 70°	A to 190°	NR at 70°	A to 70°	A/NR (Test for additives effect! FKM better)	C/NR	NR at 70°
<b>Glycerin (Glycerol)</b>	<b>C<sub>3</sub>H<sub>8</sub>O<sub>3</sub> (56-81-5)</b>	A to 100% to 212° A @ 100% to 600°	A to 100% to 200° A @ 100% to 300°	A to 200°	A to 100% to 70°	A to 450°	A to 100% to 225°	A to 160° A to 150° AB to 180°	A to 100% to 275° AB at 100% at 285°	A to 450°	A to 140°	AB @ 70-140°	A to 100% to 200°	A to 125°	A to 250°	A to 176° AB to 200°	A to 70°	A to 70°	A to 70°	A to 70°
<b>Hexane (Dipropyl) (N-Hexane) HMDS (1,1,1,3,3,3-Hexamethylsilazane) Bis(trimethylsilyl)amine</b>	<b>C<sub>6</sub>H<sub>14</sub> (110-54-3) C<sub>6</sub>H<sub>15</sub>NSi<sub>2</sub> (999-97-3)</b>	A	A @ 100% to 200°	A to 200°	A to 70°	A (PTFE Encapsulated 316 Stainless St.)	BC @ 70-104° C @ 120-140° NR @ 140°	NO DATA	NO DATA	A	A to 70°	NR	A to 100% to 200°	A to 158° NR at 80-120°	A to 200°	NR	A	A to 70°	AC @ 70°	A
<b>Honey</b>	<b>NA</b>	A to 70°	A to 140°	NO DATA	NO DATA	A (PTFE Encapsulated 316 Stainless St.)	A to 70° AB @ 180°	A to 140°	A	A	A to 70°	B @ 70°	NO DATA	A to 70°	A to 140°	A to 140°	NO DATA	A to 140°	A to 70°	A to 70°
<b>Hydrazine (Diamine)</b>	<b>H<sub>2</sub>N<sub>2</sub> (302-01-2)</b>	A to 70°	A to 140°	NO DATA	A	A	NR 35-100% @ 70°	A to 70°	A	A	B @ 70°	NO DATA	NR	NR	A Aqueous to 70° NR	A to 100% @ 70°	B A 64% to 70°	AB 24% @ 70° BC 64 - 100% @ 70% B Anhydrous	A to 70°	B to 100% 70 - 200°
<b>Hydrobromic Acid (Hydrogen Bromide)</b>	<b>HBr (10035-10-6)</b>	A@50% to 80° A@100% to 140° AB to 20% to 70°	NR	A to 37% to 100° A to 70°	NR	A (PTFE Encapsulated 316 Stainless St.)	A 20% to 225° A to 50% to 150° B Conc. to 185°	A to 20% to 160° A to 50% to 140° AB 50-100% at 70-150°	A dilute to 250° A to 37% to 70° A 38-100 to 275°	A	NR	NR 20% @ 70°	A to 20% to 300° B at 30% at 70°	NR at 30-100% at 70°	A to 140°	A to 200°	A	NR	B 30-100% @ 70°	A
<b>Hydrochloric Acid (Muriatic Acid)</b>	<b>HCl (7647-01-0)</b>	A to 40% to 140° NR 5-100% 175°	NR 3-100%	A to 10% to 200°	A to 212°	A (PTFE Encapsulated 316 Stainless St.)	A to 100% to 70° A to 36% to 150° A to 10% to 185°	A to 100% to 140° A to 40% to 160° AB to 40% to 150°	A to 38% to 194° A to 50% to 175° AB 40-70% to 70°	A	A to 10% to 70° NR at 30-100% at 70°	AB 10-50% to 70° BC 50-100% @ 70° NR 50-100% @ 150°	A to 100% to 70° A to 50% to 140° A to 37% to 200°	A to 10% to 200° AB at 20% at 70-200°	A to 100% to 70° A to 37% to 160°	A to 25% to 140° AB to 37% to 130°	A	AB 20-37% to 70° AB to 15% to 150°	A to 70° AB to 37% to 150° C 37% @ 150°	A
<b>Hydrofluoric Acid (Hydrogen Fluoride) (HF)</b>	<b>HF (7664-39-3)</b>	A to 100% to 70° A@90% to 125°	A to 10% AB@16% to 120° NR 45-80%	A to 50% to 140° A to 35% to 200° NR > 50%	NR 4-100% @ 70°	A (PTFE Encapsulated 316 Stainless St.)	A to 50% to 140° A to 40% to 200° A to 30% to 225° A to 80% to 70°	A to 60% to 140° A to 40% to 180° A to 30% to 160° A to 30% to 140°	A to 100% to 212°	A	NR at 70°	NR	AB 25-38% at 70-200°	A to 10% to 180° AB at 20% to 70° BC at 35% at 70° A to 100% to 125°	A to 60% to 130° A to 50% to 176° A to 30% to 212°	A dilute to 212° AB to 60% to 130° AB to 65% to 70°	A	AB 10% to 70° C 20-30% to 130° NR 50-100% @ 70°	A	A
<b>Hydrogen Peroxide (Hydrogen Dioxide)</b>	<b>H<sub>2</sub>O<sub>2</sub> (7722-84-1)</b>	A to 100% to 75° A to 50% to 200°	A to 30% to 104° A 50-100% to 70°	A to 10 to 200° AB to 30% to 100° NR 50-100% @ 70°	A to 212°	A (PTFE Encapsulated 316 Stainless St.)	A to 5% to 170° NR 30% > 125° A to 100% @ 75°	AB at 30-90% to 120° AB at 30-100% to 70° A to 6.5% to 70°	A to 30% to 212°	A	NR at 4-100% at 70°	A to 10% to 70° NR 100% @ 70°	A to 100% to 70° A to 90% to 120° B at 30% at 180°	A to 100% to 125°	A to 104° A 50% to 200° AB @ 100% @ 160° A to 100% to 140°	A (White 571 & 592) AB (Black 550)	B 3% at 70° BC 10% to 80°	A to 100% to 70°	A to 90% to 70° B @ 100% @ 70°	
<b>Iodine</b>	<b>I<sub>2</sub> (7553-56-2)</b>	A	A 9-10% to 72° NR > 10%	NR	BC @ 70°	A (PTFE Encapsulated 316 Stainless St.)	AB to 100% @ 176°	A to 100% to 170° C 100% @ 212	A	A	A to 70°	NO DATA	NR	NR	A	AB to 160°	A	A 6.5% to 70° B to 140°	A to 70°	A

# CHEMICAL COMPATIBILITY TABLE

For ChemQuik<sup>®</sup>, DrumQuik<sup>®</sup>, DrumQuik PRO & Other Common CPC Series Coupling Materials  
(Updated 01/20/2009)

**INTERPRETATION OF TEST DATA**

	SWELLING (In 30 days to 1 year of exposure)		LOSS OF TENSILE STRENGTH		DESCRIPTION OF CHEMICAL ATTACK
	Linear (Plastics)	Volumetric (Elastomers)	(Plastics)	(Elastomers)	
A	< 10%	<= 15%	< 15%	<= 15%	Excellent, little or no swelling, softening or surface deterioration Good chemical resistance, minor swelling, softening or deterioration Limited chemical resistance, moderate attack, conditional service Severe attack, not recommended for use
B	< 15%	<= 30%	< 30%	<= 30%	
C	< 20%	<= 50%	< 50%	<= 60%	
NR	> 20%	> 50%	> 50%	> 60%	

NOTE: All temperatures are in degrees Fahrenheit. Conversion: °C = (°F - 32)/1.8

CHEMICAL	SPRING Materials										COUPLING Materials					SEAL Materials				
	Name	Formula (CAS #)	Hastelloy C (276)	316 SS	PPS	PEEK™	Teflon <sup>®</sup> Encapsulated 316SS	Polypropylene	HDPE	PVDF	PTFE/PFA	Acetal/POM (Celcon)	ABS	Polysulfone	Polycarbonate	FKM (Viton <sup>®</sup> )	EPDM	FFKM (Chemraz <sup>®</sup> / Simriz <sup>®</sup> / Kalrez <sup>®</sup> )	Buna	TPO (Santoprene)
<b>Isopropyl Acetate</b>	<b>C<sub>5</sub>H<sub>10</sub>O<sub>2</sub> (108-21-4)</b>	B @ 70°	A to 100% to 175°	NO DATA	NO DATA	A	AB to 100% @ 176° C @ 125°	A to 70°	A to 280°	A	A/NR @ 70°	NR @ 70°	C/NR @ 70°	NR	NR	AB to 160°	A	NR	B @ 70°	NR
<b>Isopropyl Alcohol (IPA) (Isopropanol)</b>	<b>(CH<sub>3</sub>)<sub>2</sub>CH-OH (67-63-0)</b>	A@100% to 212° A@47% to 356° A@11% to 70°	A to 100% to 140° A@100% to 212°	A to 200°	A to 75°	A (PTFE Encapsulated 316 Stainless St.)	A to 225°	A to 160°	A to 150° AB to 158°	A	A to 70°	A to 70° (No stress)	A to 122° AB at 185°	A to 125°	A to 170° B @ 212°	A to 160° B @ 176°	A	A to 70° B any conc to 130°	A to 70°	A
<b>KEROSENE</b>	<b>NA</b>	A	A	AB to 200°	A to 70°	A	AB to 80° BC @ 122° NR @ 140°	C/NR @ 70° NR @ 100°	A	A	A to 180°	BC @ 70°	AB to 200°	A to 70° AC @ 122°	A to 158°	NR	A	A	NR	NR
<b>LACTIC ACID</b>	<b>C<sub>3</sub>H<sub>6</sub>O<sub>3</sub> (50-21-5)</b>	A to 85% to 125° B 65-100% to 212°	A to 75% to 120° A @ 100% to 120° B 25 75% 125-212°	A	A	A	A to 100% to 150°	A to 140°	A to 100% to 100° B 100% @ 120° AB to 80°	A	AC to 100% fr 70-140°	NR	A to 100% to 200° A to 60% to 300°	A to 100% to 70° AB to 100% @ 122-200°	A to 100% to 140° A to 80% to 176°	A to 100% to 140° A to 80% to 176°	A	A to 100% to 70° B 25-80% @ 104° C 25-80% @ 104°	A to 70°	A to 70° B 140 - 200°
<b>LIMONENE (D-Limonene / DL-Limonene) (Orange Oil)</b>	<b>C<sub>10</sub>H<sub>16</sub> (138-86-3) (59-8927-5)</b>	A to 70°	A to 140°	NO DATA	NO DATA	A	A to 100% to 150°	B @ 70° C @ 122°	B @ 70° C @ 122°	A to 122°	NR @ 70°	NO DATA	C @ 70 - 122°	C @ 70 - 122°	A to 140°	NO DATA	NO DATA	A to 140°	C @ 70°	NR @ 70°
<b>METHOXYBUTANOL (3-Methoxy-1-Butanol)</b>	<b>C<sub>5</sub>H<sub>12</sub>O<sub>2</sub> (2517-43-3)</b>	NO DATA	NO DATA	NO DATA	NO DATA	A	NO DATA	NO DATA	NO DATA	A	NO DATA	NO DATA	NO DATA	NO DATA	A to 70°	AB @ 70°	A	A to 70°	NO DATA	NO DATA
<b>METHOXYETHANOL (Ethylene Glycol Monomethyl Ether)</b>	<b>C<sub>3</sub>H<sub>8</sub>O<sub>2</sub> (109-86-4)</b>	NO DATA	NO DATA	NO DATA	NO DATA	A	A to 122°	A to 122°	A to 122°	A	NO DATA	NO DATA	NR	NR	BC @ 70° NR (Dynamic) A (HIFLUOR)	A to 70°	A	BC @ 70° NR (Dynamic)	NO DATA	AB to 70° C (Dynamic)
<b>Methyl Alcohol (Methanol) (Wood Alcohol)</b>	<b>CH<sub>3</sub>OH (67-56-1)</b>	A to 212°	A	A to 150°	A to 212°	A (PTFE Encapsulated 316 Stainless St.)	A to 70° BC 100 @ 180°	A to 100% to 122° AB at 100% at 140° B/NR at 100% at 150-180°	A to 148° AB 212-257°	A	A to 140° B at 180°	NR	A to 100% to 70° C at 100% at 120° NR at 100% at 200° NR at 100% at 70°	AB at 50% to 70° B at 70° C at 122° NR at 70°	NR	A to 160° AB to 176°	A	A to 70° AB any conc to 150°	A to 70°	A
<b>Methylene Chloride</b>	<b>CH<sub>2</sub>CL<sub>2</sub> (75-09-2)</b>	A	A to 100% to 200° A to 90% to 212°	A 100% to 70°	A to 70°	A (PTFE Encapsulated 316 Stainless St.)	NR	NR	AB to 100°	A	A to 70°	NR	NR at 100% at 70°	NR at 70°	B @ 70°	BC to 130°	A	NR at 70°	NR @ 70°	A
<b>Methyl Ethyl Ketone (MEK)</b>	<b>C<sub>4</sub>H<sub>8</sub>O (78-93-3)</b>	A to 200°	A to 200°	A to 100% to 70°	A to 212°	A to 500°	A to 100% to 70° AB at 100% at 125° AB at 100% at 122°	NR	NR	A to 500°	A to 70° AB at 70-180°	NR	NR at 40-100% at 70°	NR at 100% at 70°	NR at 70°	A to 140° AB to 240°	A to 70°	NR any conc at 70°	BC @ 70°	NR at 70°
<b>MINNCARE<sup>®</sup> Cold Sterilant (Hydr. Peroxide (24%), Peracetic acid (6%), Acetic acid (10%))</b>	<b>H<sub>2</sub>O<sub>2</sub> C<sub>2</sub>H<sub>4</sub>O<sub>3</sub> C<sub>2</sub>H<sub>4</sub>O<sub>2</sub></b>	A	A	AB	A	A	A	AC (Embrittles over time)	AB	A	NR	B	A	A	B	B	A	B	A	A
<b>Motor Oil</b>	<b>N/A</b>	A to 70°	A to 140°	A to 200°	A	A	A 100% to 70° C @ 120° NR @ 140°	B/NR @ 70°	A	A	A to 160°	B @ 70°	A to 200°	A to 200°	A to 190°	NR	A	A to 190°	AB to 70°	AB to 70°
<b>N-Methyl 2-Pyrrolidone (NMP)</b>	<b>NMP CH<sub>3</sub>N(CH<sub>2</sub>)<sub>3</sub>CO (872-50-4)</b>	NO DATA	NO DATA	A to 70°	A	A (PTFE Encapsulated 316 Stainless St.)	A	NO DATA	C/NR @ 70°	A	NO DATA	NO DATA	NR at 70°	NO DATA	AB @ 70° A (HIFLOUR)	A to 70°	A	NO DATA	NO DATA	A
<b>Naptha (Coal Tar)</b>	<b>(8030-30-6)</b>	A to 140° AB to 200°	A 100% A 96% to 170° A 60% to 70°	A	A	A	A to 140° C @ 180°	NR	A	A	A to 70°	NR	B @ 70°	NO DATA	A	NR	A	AB to 250°	C/NR @ 70°	NR
<b>Naptha (Petroleum Solvent) (Hans Solvent)</b>	<b>(64742-94-5)</b>	A to 140° AB to 200°	A 100% A 96% to 170° A 60% to 70°	A	A	A	AB @ 70 - 150° C/NR @ 150 - 180°	BC @ 70° B/NR @ 120° NR @ 140°	A	A	A to 70°	B/NR @ 70°	AB to 140°	A to 70°	A	NR	A	AB to 250°	C/NR @ 70°	NR
<b>Napthalene (Coal Tar Distillate)</b>	<b>C<sub>10</sub>H<sub>8</sub> (91-20-3)</b>	A to 130° B @ 180°	A	A	A	A	B @ 70° BC @ 70-140° NR @ 170°	B @ 70° (short duration) NR @ 70° (1 year)	A	A	A to 70° AB @ 140°	NR	C @ 70°	NO DATA	A to 176°	NR	A	NR	BC @ 70°	NR
<b>Nitric Acid (Hydrogen Nitrate)</b>	<b>HNO<sub>3</sub> (7697-37-2)</b>	A to 99% to 130° A to 50% to 140° AB@10% to 185° A to 70°	A to 100% to 120° A to 60% to 175° A to 50% to boiling	A to 30% to 100° AB to 40% to 80° NR 50-100% @ 70°	A to 30% to 70° A to 10% to 212° NR 50% @ 70° A to 140°	A (PTFE Encapsulated 316 Stainless St.)	A to 50% to 104° A to 30% to 180° A to 10% to 210° A to 140°	A to 30% to 140° A to 40% to 70° AB at 50% to 70° AB to 70°	A to 98% to 70° A to 90% to 140° A to 30% to 212°	A	NR	B 5-20% @ 70° NR @ 50%	A to 5% to 140° A to 40% to 70° B to 10% at 140°	A to 20% to 70° AB at 20-50% to 70° B to 10% at 120°	A 50% to 140° A 90-100% to 158° AC 60-70% to 70°	A to 25% to 70° A to 10% to 104° B 25-30% to 140°	A	NR 0-100% at 70°	A to 10% to 70° B 20% @ 70° C 50-70% @ 70°	A
<b>OIL, Corn</b>	<b>NA</b>	A to 70°	A	A to 175°	A to 140°	A to 140°	B/NR to 104°	A	A	A	AB to 70°	A to 70°	A to 70°	A to 150°	A to 140°	NR	A	AB any conc to 150°	A to 212°	A to 70°
<b>OILS/LUBRICANTS, General</b>	<b>NA</b>	A	A	AB to 70° NR @ 120°	AB to 70° (SEA) NR (Crude & Diester)	A to 70°	NR	A	A	A	A to 158°	B @ 70°	A	A to 70°	A to 158°	NR	A	A	NR	NR
<b>OIL, Mineral</b>	<b>NA</b>	A	A to 150°	A to 100° C/NR @ 140-160	C @ 70° NR @ 100°	A	NR	A to 140°	A	A	A to 140°	A to 70°	A to 200°	A to 70° B @ 120°-200°	A to 70°	NR	A	A	B/NR @ 70°	B @ 70°
<b>OIL, Olive</b>	<b>NA</b>	A to 70°	A	A 100% to 176°	AB to 70°	A	B @ 70°	A to 150°	A	A	A to 150°	A to 70°	A to 73°	A to 150°	A to 176°	B @ 70°	A to 70°	A	B @ 70°	NR
<b>OIL, Vegetable</b>	<b>NA</b>	A	A	A to 140° AB @ 160°	AC @ 70°	A	AC	A to 70°	A	A	C @ 70°	A to 200°	A to 200°	A to 200°	AC to 200°	A	A to 200°	BC @ 70°	A to 70°	
<b>Oxalic Acid (Ethanedioc Acid)</b>	<b>C<sub>2</sub>H<sub>2</sub>O<sub>4</sub> (144-62-7)</b>	A to 100% to 140° A to 50% to Boil B 60-100% to Boil A@2% to 140°	A to 50% to 100° A 20-50 to 125° B 60-90% @ 70° A to 70° A@2% to 140°	A	A	A (PTFE Encapsulated 316 Stainless St.)	A to 100% to 140° A to 50% to 180°	A to 100% to 160° AB to 100% to 180° NR at 100% at 212° AB weak conc. At 70°	A to 100% to 125° A to 60% to 212° B @ 100% @ 158°	A	C at 5% at 70-150° C at 10% at 70°	A to 70°	A to 100% to 70° AB at 5% to 180°	A to 10% to 70° B at 70°	A to 100% to 140° A to 50% to 176°	A	A	AB to 100% to 140° NR 10% boiling	A to 70°	A
<b>Ozone (trioxygen)</b>	<b>O<sub>3</sub> (10028-15-6)</b>	A@2% to 140°	A to 70°	NO DATA	A to 212°	A (PTFE Encapsulated 316 Stainless St.)	NR	NR	NR	A	NR	B @ 70°	A to 122°	AB 10 ppm in H <sub>2</sub> O at 70° NR 1-100% at 70°	A to sat. to 70° NR sat @ 140°	A to sat. to 70° NR sat. @ 140	A (White 571 & 592) AB (Black 550)	NR 2% to sat'd at 70°	A to 70°	A (White 571 & 592) AB (Black 550)
<b>Peracetic Acid (Peroxyacetic Acid)</b>	<b>C<sub>2</sub>H<sub>4</sub>O<sub>3</sub> (79-21-0)</b>	A	A	A	A	A	AC 40% @ 70°	AC (Embrittles over time)	A to 40% to 70°	A	NR	NO DATA	NO DATA	NR	A to 1% @ 70° C @ 100% @ 70° A (HIFLUOR)	A 1 & 100% @ 70° B 10% @ 70°	A to 1% @ 70° A (HIFLUOR)	C 100% @ 70° NR 1-10% @ 70°	NO DATA	B 100% @ 70° NR 1-10% @ 70°
<b>Phenol (Carbolic Acid)</b>	<b>C<sub>6</sub>H<sub>6</sub>O (108-95-2)</b>	A	A	A to 100° C @ 100% @ 200°	A Dilute to 70° NR 75-100% @ 70° Dissolves @ 75° A to 212°	A	A to 104° AB to 130°	A to 5% to 70° AB 70-85% @ 70° NR 90-100% @ 70° A to 100% to 140°	A to 100% to 158°	A	NR	NR	A to 5% to 70° NR 100% @ 70°	A to 5% @ 70°	NR 5 - 100%	A	NR	A/NR @ 70°	NR	
<b>Phosphoric Acid</b>	<b>H<sub>3</sub>PO<sub>4</sub> (7664-38-2)</b>	A to 200° A to 50% to boiling	A to 40% to 240° A to 70% to 150°	A	A	A (PTFE Encapsulated 316 Stainless St.)	A to 185° A to 75% to 225°	A to 75% to 160° AB to 90% at 160-180° A to 100% to 150°	A	A	C at 0.3-10% at 70° NR at 10-100% at 70°	AB to 40% to 70° B 40% @ 70° C 50-100% @ 70°	A to 100% to 200° A to 85% to 250°	A to 100% to 70° A to 25% to 158° B at 85% at 120°	A to 140° A to 85% to 176° A 75% to 212° A to 70°	A to 130° A to 85% to 176° B to 30% to 212° A to 70°	A	A to 10% to 104° AB to 50% to 104° AB 30% to 104°	A to 45% @ 70° B 45 @ 70/8 C 50-100% @ 70	A
<b>Phosphorous Trichloride (PCl<sub>3</sub>)</b>	<b>CL<sub>3</sub>P (7719-12-2)</b>	A	A to 120°	A	A	A	B/NR @ 70°	A to 100% to 150°	A	A	AB to 180°	NR	NO DATA	NR	A to 70°	A	NR	NR	NO DATA	NO DATA

# CHEMICAL COMPATIBILITY TABLE

For ChemQuik<sup>®</sup>, DrumQuik<sup>®</sup>, DrumQuik PRO & Other Common CPC Series Coupling Materials  
(Updated 01/20/2009)

**INTERPRETATION OF TEST DATA**

	SWELLING (In 30 days to 1 year of exposure)		LOSS OF TENSILE STRENGTH		DESCRIPTION OF CHEMICAL ATTACK
	Linear (Plastics)	Volumetric (Elastomers)	(Plastics)	(Elastomers)	
A	< 10%	<= 15%	< 15%	<= 15%	Excellent, little or no swelling, softening or surface deterioration Good chemical resistance, minor swelling, softening or deterioration Limited chemical resistance, moderate attack, conditional service Severe attack, not recommended for use
B	< 15%	<= 30%	< 30%	<= 30%	
C	< 20%	<= 50%	< 50%	<= 60%	
NR	> 20%	> 50%	> 50%	> 60%	

NOTE: All temperatures are in degrees Fahrenheit. Conversion: °C = (°F - 32)/1.8

CHEMICAL Name	Formula (CAS #)	SPRING Materials					COUPLING Materials							SEAL Materials						
		Hastelloy C (276)	316 SS	PPS	PEEK™	Teflon <sup>®</sup> Encapsulated 316SS	Polypropylene	HDPE	PVDF	PTFE/PFA	Acetal/POM (Celcon)	ABS	Polysulfone	Polycarbonate	FKM (Viton <sup>®</sup> )	EPDM	FFKM (Chemraz <sup>®</sup> / Simriz <sup>®</sup> / Kalrez <sup>®</sup> )	Buna	TPO (Santoprene)	Silicone
<b>Piranha</b> 3:1 Mixture of Concentrated Sulfuric Acid & 30% Hydrogen Peroxide	N/A	A	NR	AB	NR	A	A to 90% to 104°	A to 75% to 70° BC 96-98% @ 70-120°	A to 98% to 120°	A	NR	NR	NR	A	NR	A	NR	A	NR	NR
<b>Plating Solution, General</b>	N/A	A to 70°	A to 140°	A to 70°	NO DATA	A	A	A to 140°	A	A to 100°	NO DATA	NO DATA	NO DATA	A to 70°	A to 70°	A	A to 70°	A to 70°	NR	
<b>Plating Solution, Cadmium</b>	N/A	A to 90°, Cyanide A/NR @100°, Fluob.	A to 140°	A to 70°	NO DATA	A	A	A	A	A to 90, Cyanide C @ 100°, Fluoborate	NO DATA	NO DATA	NO DATA	A to 140°	A to 70°	A	A to 140°	NO DATA	NR	
<b>Plating Solution, Chrome</b>	N/A	A to 130°, Fluoride NR @ 90°, Barrel NR @ 115°, Black	A to 70° NR @ 95°, Barrel	A to 70°	NO DATA	A	AC to 70° C @ 95° (Barrel)	A	A	B/NR @ 70°	C/NR @ 70°	NO DATA	A to 70°	A to 140°	A to 70°	A	NR	NO DATA	NR	
<b>Plating Solution, Copper</b>	N/A	A to 120°	A to 70°, Barrel A to 120°, Copper A to 120°, Cyanide	A to 70°	NO DATA	A	A	A	A	NR, Electroless A to 120°, Strike A to 70° Sulfate	NO DATA	NO DATA	NO DATA	A to 200°	A to 140°	A	A to 140°	NO DATA	NR	
<b>Plating Solution, Nickel</b>	N/A	A to 140°	A to 70° A, Cyanide C @ 70°, Sulfamate	A to 70°	NO DATA	A	A	A	A	NO DATA	NO DATA	NO DATA	NO DATA	A to 70°	A to 140°	A	A to 140° NR @ 70°, Electroless	NO DATA	NR	
<b>Plating Solution, Tin</b>	N/A	A to 125°	A to 70° C 100-125°, Fluoborate	A to 70°	NO DATA	A	A	A to 180°	A	NO DATA	NO DATA	NO DATA	NO DATA	A to 140°	A to 104° B @ 140°	A	AB to 140°	NO DATA	NO DATA	
<b>Plating Solution, Zinc</b>	N/A	A to 70°, Alk-Cyanide A to 150°, Cyanide NR @ 140°, Chloride	A to 70°, Cyanide A to 70°, Fluoborate NR, Acid	A to 70°	NO DATA	A	A	A to 150°	A	NO DATA	NO DATA	NO DATA	NO DATA	A to 140°	A to 70°	A	A to 140°	NO DATA	NO DATA	
<b>Potassium Carbonate (Carbonic Acid) (Potash)</b>	CK <sub>2</sub> O <sub>3</sub> (584-08-7)	A to 90% to 212° AB@100% to 140°	A to 17% to 240° AB 20- 100% to boil	A to 100% to 200°	A to 60-100% to 70°	A to 100% to 500°	A to 225°	A to 160° AB at 180°	A to 100% to 275° AB to 100% at 285°	A to 100% to 500°	A to 60-100% to 180°	A to 70°	A to 200°	A to 5% to 70° NR at 70°	A to 212°	A to 176° AB to 200°	A aqueous sol'n to 70° A to 200° A to 180°	A to 70°	AC to 70°	
<b>Potassium Chlorate (Chloric Acid) (Potassium Salt)</b>	CLKO <sub>3</sub> (3811-04-9)	B 30-60% 125-212° B to 60% @212° AB @ 100%	A	A	A	A	A to 100% to 180°	A to 100% to 160°	A	A	A to 10% to 70° AB to 100% to 180°	NR	A to 100% to 200°	A to 70°	A to 140° AB to 200°	A to 130° AB to 140-200°	A	A to 70° AC to 130°	A to 70°	AB to 25° C @ 70° (dynamic)
<b>Potassium Chloride (Salt Substitute)</b>	CLK (7447-40-7)	A to 10% A 10-30% to 125° AB @ 100%	A to 32% to 180° AB 40-100% to 150°	A	A	A	A to 100% to 180°	A to 100% to 160°	A	A	A to 100% to 140° AB to 100% @ 180°	A to 100% to 70°	A to 100% to 200°	A to 100% to 120°	A to 212°	A to 176° AB to 212°	A	A to 176° B @ 212°	A to 70°	A to 100% to 200°
<b>Potassium Hydroxide (Caustic Potash)</b>	KOH (1310-58-3)	A to 50% to 200° AB@100% to 185°	A to 100% to 70° A to 70% to 150°	A to 200° A to 50% to 268°	A to 212°	A (PTFE Encapsulated 316 Stainless St.)	A A 70% to 185°	A to 100% to 160° AB to 100% at 180°	*A to 25% to 140° A to 10% to 280° A 60-100% to 212°	A	B to 100% to 180°	A to 30% to 70° AB to 100% to 70°	A to 100% to 200°	C at 1% at 70° NR at 1% at 125° NR at 5-100% at 70° A to 100% to 200°	AB to 70° AB to 70% to 140° A to 140°	A to 200° B 25% @ 212	A (Black 550) AB (White 571 & 592)	A to 5% to 150° AB to 150°	A to 70°	A (Black 550) AB (White 571 & 592)
<b>Potassium Permanganate</b>	KMNO <sub>4</sub> (7722-64-7)	A to 50% to 75° AB@100% to 200° B to 30% 75-212° A to 200°	A to 25% to 70° AB to 100% to 100° A@100% to 130°	A to 200°	A to 75°	A (PTFE Encapsulated 316 Stainless St.)	A to 100% to 70° A to 10% to 180° A to 140°	A to 100% to 160° AB at 20% to 180° A to 150°	A	A	A to 10% to 140° NR conc.-100% at 70°	B @ 70°	A to 200°	A to 100% to 200°	A to 200°	A	AC to 150°	A to 70°	A	
<b>Propanol (Propyl Alcohol) (Rubbing Alcohol)</b>	C <sub>3</sub> H <sub>8</sub> O (67-63-0)	A	A	A	A	A	A to 140°	A to 150°	A	A	A to 70°	NO DATA	AB to 185°	A to 125°	A to 212°	A to 200°	A	A	A to 120°	A to 200°
<b>Propionic Acid (Propanoic Acid)</b>	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub> (79-09-4)	A	A	NO DATA	A to 212°	A	A 100% to 70°	AB to 70° C @ 122°	A 100% to 280°	A	NR	NR	B @ 70-122°	A to 20% to 70° NR 100% @ 70°	50% tie 100° NR 100% @ 70°	A to 100% to 200°	A	AC Sat 70-200° NR 50% @ 70°	A to 70°	B @ 70° C @ 70°, dynamic
<b>Propylene Glycol (PG-12)</b>	C <sub>3</sub> H <sub>8</sub> O <sub>2</sub> (57-55-6)	B@100% @ 70°	A to 30% A@80-90% A@60%	A to 70°	NO DATA	A to 500°	AB to 160°	AB to 140° AB at 180°	A to 275° AB at 280°	A to 500°	A to 70°	A to 70°	B at 70-122°	BC at 70° C/NR at 122°	A to 140°	A to 70°	A to 70°	A to 250°	AB to 70°	A to 70°
<b>PGMEA (Propylene Glycol Monomethyl Ether Acetate)</b>	C <sub>6</sub> H <sub>12</sub> O <sub>3</sub> (108-65-6)	A	A	A	B	A	A to 140°	A	AB	A	A to 70° AB to 140°	A to 70°	NO DATA	NO DATA	NR	A 50% to 70°	A	NO DATA	AB to 70°	A
<b>PGME (Propylene Glycol Monomethyl Ether) (Dowtherm 209 / Dowanol PM)</b>	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub> (107-98-2)	A	A	A	B	A	A to 140° AB to 150°	A	AB	A	A to 70° AB to 140°	A to 70°	NO DATA	NO DATA	NR	A 50% to 70°	A	NO DATA	AB to 70°	A
<b>Propylene Oxide</b>	C <sub>3</sub> H <sub>6</sub> O (75-56-9)	A to 70°	A to 140°	NO DATA	NO DATA	A	A to 70° AB @ 125°	A to 122° AB @ 140°	NR @ 100% @ 70°	A	NO DATA	NO DATA	B @ 70 -122°	NR	NR	B to 120°	A	NR	A to 120°	NR
<b>Pyridine (Azine)</b>	C <sub>5</sub> H <sub>5</sub> N (110-86-1)	A to 100% to 100° A@100% to 140°	A to 100% to 212°	A to 200°	A to 212°	A (PTFE Encapsulated 316 Stainless St.)	A to 100% to 75° AB 100% 120-180° NR 100% @ 120° A to 225°	BC at 70° C at 140°	NR	A	AB to 70°	NO DATA	AB to 50% to 70° NR at 70°	NR at 70°	NR	B to 160°	A	NR at 70°	AC 70-120°	A
<b>Sodium Bicarbonate (Baking Soda)</b>	CHNaO <sub>3</sub> (144-55-8)	A to 100% to 150° AB to 20% to boiling	A to 100% to 150° A to 20% to 212°	A to 100% to 300°	A to 250°	A to 100% to 500°	A to 100% to 225°	A to 160° AB at 180°	A to 100% to 275° AB to 100% at 285°	A to 100% to 500°	A to 100% to 140° A to 20% to 180°	AB to 100% to 70°	A to 100% to 200°	A to 100% to 200°	A to 212°	A to 176° B at 212°	A to 70°	A to 100% to 160° AB to 100% to 200°	A to 70°	A to 70°
<b>Sodium Carbonate (Soda Ash)</b>	CNa <sub>2</sub> O <sub>3</sub> (497-19-8)	A to 100% to 212°	A to 100% to 212°	A to 100% to 300°	A to 100% to 212°	A to 100% to 500°	A to 100% to 225°	A to 100% to 160° AB to 100% at 180°	A to 100% to 275° AB to 100% at 285°	A to 100% to 500°	A to 100% to 140° A to 20% to 180°	AB to 100% to 70°	A to 100% to 200°	A to 100% to 200°	A to 212°	A to 176° B at 212°	A to 70°	A to 100% to 160° AB to 100% to 200°	A to 70°	A to 70°
<b>Sodium Chloride (Salt)</b>	ClNa (7647-14-5)	A to 100% to 176°	A to 16% to 212° A 25 - 80% to 160° A@100% to 212°	A	A	A	A	A to 100% to 160°	A	A	A to 100% to 70° AB to 100% 150-180°	A to 100% to 70°	A to 100% to 200°	A to 100% to 120°	A to 100% to 212°	A to 100% to 176°	A to 70°	A to 160°	A to 100% to 120°	NO DATA
<b>Sodium Chlorite (Sodium Salt)</b>	ClNaO <sub>2</sub> (7758-19-2)	NO DATA	NO DATA	AB	A	A	A to 100% to 70° A to 50% 100° AB to 100% @ 200°	A to 140°	A	A	NO DATA	NO DATA	A to 70°	NO DATA	A to 70°	A to 70°	A	NR	A to 70°	B @ 70° C (Dynamic)
<b>Sodium Hydroxide (Caustic Soda)</b>	NaOH (1310-73-2)	A to 100% to 70° A to 50% to 200° AB 50-80% to 170° A to 50% to 115° A to 20% to 140° AB@100% to 200° A to 140°	A to 20% AB 20- 70% to 212° AB 70-100% to 125° Generally NR A to 6% to 160° A sat'd to 200° A to 212°	A to 100% to 70° A to 50% to 140° A to 20% to 200° BC 5% to 200° A	A to 100% to 70° A to 54% to 392°	A (PTFE Encapsulated 316 Stainless St.)	A to 125° A to 70% to 225°	A to 100% to 140° A to 70% to 160° AB to 100% at 180° A to 17% AB to 100%	A to 50% to 70° A to 20% to 104° A to 15% to 176° A to 17% AB to 100%	A	A to 60% to 180° AB at 60-80% to 180° BC at 80-100% at 70° NR at 10-100% at 70°	A to 25% to 70° AB to 100% to 70° B 10-50% @ 70-180° BC to 10% to 70° C @ 5% @ 70° NR @ 70°	A to 50% to 120° A to 20% to 200° AB to 50% to 250° A to 100% to 200° A to 17% to 300°	A to 20% to 120° A to 15% to 200° C at 25% at 70-120° A to 10% to 70° AB to 100% to 70° C at 15% at 125-150°	B to 70° B 80% @140° A to 50% to 176° B 20% @ 212° A to 100% to 130° AB 20-100% to 130° BC 20% @ 158°	A (Black 550) AB (White 571 & 592)	A to 20% to 212° A to 50% to 176°	A to 100% to 70° AB (White 571 & 592)	A to 100% to 70°	A (Black 550) AB (White 571 & 592)
<b>Sodium Hypochlorite (Bleach)</b>	CLNaO (7681-52-9) (10022-70-5)	A to 50% to 115° A to 20% to 140° AB@100% to 200°	A to 6% to 160° A sat'd to 200° A to 212°	A	A	A (PTFE Encapsulated 316 Stainless St.)	A to 100% to 70° A to 5% to 120° C 12-13% > 70°, NR @104° A to 180°	A to 100% to 160° AB to 100% at 180°	A to 100% to 70° AB to 100%	A	NR @ 70°	NO DATA	A to 200°	NO DATA	A to 212°	A to 176°	A	A to 140°	A to 70°	A to 70°
<b>Sodium Silicate (Waterglass) (Silicic Acid)</b>	Na <sub>2</sub> O <sub>3</sub> Si (1344-09-8)	A to 100% to 130° A to 5% to 100° B to 30% to 212°	A to 100% to 70° AB to 30% to 175°	A to 70°	A	A	A	A to 140°	A	A	A to 70° A to 10% to 150°	AB to 70°	A Solution to 70°	A/NR @ 70°	A to 100% to 140°	A to 100% to 140° AB to 100% to 200°	A	A to 100% to 70° AB to 100% to 200°	A to 70°	A to 100% to 70°

# CHEMICAL COMPATIBILITY TABLE

## For ChemQuik<sup>®</sup>, DrumQuik<sup>®</sup>, DrumQuik PRO & Other Common CPC Series Coupling Materials

(Updated 01/20/2009)

CHEMICAL Name	Formula (CAS #)	INTERPRETATION OF TEST DATA																		
		SWELLING (In 30 days to 1 year of exposure)		LOSS OF TENSILE STRENGTH (Elastomers)			DESCRIPTION OF CHEMICAL ATTACK													
		Linear (Plastics)	Volumetric (Elastomers)	(Plastics)	(Elastomers)	Excellent, little or no swelling, softening or surface deterioration Good chemical resistance, minor swelling, softening or deterioration Limited chemical resistance, moderate attack, conditional service Severe attack, not recommended for use														
		A	< 10%	<= 15%	< 15%	<= 15%														
		B	< 15%	<= 30%	< 30%	<= 30%														
		C	< 20%	<= 50%	< 50%	<= 60%														
		NR	> 20%	> 50%	> 50%	> 60%														
NOTE: All temperatures are in degrees Fahrenheit. Conversion: °C = (°F - 32)/1.8																				
CHEMICAL		SPRING Materials					COUPLING Materials							SEAL Materials						
Name	Formula (CAS #)	Hastelloy C (276)	316 SS	PPS	PEEK™	Teflon <sup>®</sup> Encapsulated 316SS	Polypropylene	HDPE	PVDF	PTFE/PFA	Acetal/POM (Celcon)	ABS	Polysulfone	Polycarbonate	FKM (Viton <sup>®</sup> )	EPDM	FFKM (Chemraz <sup>®</sup> / Simriz <sup>®</sup> / Kalrez <sup>®</sup> )	Buna	TPO (Santoprene)	Silicone
Sodium Tripolyphosphate	Na <sub>5</sub> O <sub>10</sub> P <sub>3</sub> (7758-29-4)	NO DATA	A to 100% to 120° A 16-50% to 175°	NO DATA	A	A	A to 175°	A to 140°	A	A	NO DATA	NO DATA	A to 70°	NO DATA	AB to 70°	AB to 70°	A	A to 70°	NO DATA	C
Soybean Oil	No Formula	A	A	A	A	A	A	A	A	A	A	B @ 70°	NO DATA	A	A	NR	A	A	B @ 70°	A
STERIS <sup>®</sup> CIP 100 (Potassium Hydroxide & Tetrasodium EDTA)	Alkaline Cleaner KOH & C <sub>10</sub> H <sub>12</sub> N <sub>2</sub> Na <sub>4</sub> O <sub>8</sub>	A to 200°	A to 150°	A	A to 212°	A	A	NO DATA	A to 140°	A	NO DATA	A to 30% to 70° AB to 100% to 70°	NO DATA	NO DATA	AB to 140°	A to 200°	A (Black 550) AB (White 571 & 592)	NO DATA	A	A (Black 550) AB (White 571 & 592)
STERIS <sup>®</sup> CIP 200 (Phosphoric Acid & Citric Acid)	Acid Cleaner H <sub>3</sub> PO <sub>4</sub> & C <sub>6</sub> H <sub>8</sub> O <sub>7</sub>	A to 200°	A to 150°	A to 220°	A	A	A	A	A	A	C	B	A	B	A	A to 176°	A	AB to 104°	A to 70°	A
Sulfuric Acid (Air-free) (Better when aerated)	H <sub>2</sub> SO <sub>4</sub> (7664-93-9)	A to 60% to 70° A 90-100% to 100° (A to 100% to 140°)	NR 10-100% @ 70° B 100% to 125° (Sensetive to concen.)	A 10-75% to 70° AB to 98% to 220°	A to 40% to 212° NR > 40%	A (Encaps. 316ss)	*A to 10% to 212° A to 50% to 176° A to 90% to 104° NR 100% @ 70° B Low Conc. @ 70°	A to 75% to 70° A to 60% to 140° A to 50% to 160° NR 100% @ 70° B @ 70°	A to 90% to 212° A to 96% to 175° A to 98% to 120° A to 100% to 176°	A A to 90% (Boiling)	A to 3% to 70° NR at 10-100% at 70° NR at 30% at 70° AB 70°-140°	A to 25% to 70° B 30% 70-100° NR 80-100% @ 70°	A to 65% to 200° A to 35% to 300° AB at 85% to 210°	A to 50% to 70° A to 10% to 180° AB 20-30% at 122-200°	A to 158° A to 70% to 176° A to 50% to 212°	A to 90% to 70° A to 80% to 140° A 10% to 176°	A	A at 60% to 140° A at 50% to 70° A to 30% to 140°	A to 95% to 70° BC 95-98% @ 70° NR 95-100% @ 70°	A
Tetrachloroethylene (PERC/PERK)	C <sub>2</sub> Cl <sub>4</sub> (127-18-4)	A	A	AB @ 100%	A	A	A	A	A	A	A to 70° AB 70°-140°	NR	NR	NR	NR	NR	A	NR @ 70°	NR	NR
Tetrahydrofuran (Tetramethylene Oxide) (THF)	C <sub>4</sub> H <sub>8</sub> O (109-99-9)	A to 200°	A to 200°	A 100% to 140° C 100% @ 200°	A to 70°	A (PTFE Encapsulated 316 Stainless St.) A to 100% to 500°	BC @ 70° C/NR @ 100-120° NR @ 140° A to 150°	NR at 70°	C 10-100% @ 70° NR @ 120°	A	A to 70°	NR	NR at 200°	NR at 70°	NR	NR	A	NR at 70°	B @ 70°	A
Tetra Methyl Ammonium Hydroxide (TMAH)	C <sub>4</sub> H <sub>12</sub> NO (75-59-2)	NO DATA	NO DATA	NO DATA	NO DATA	A	A	NO DATA	A to 100% to 200° A to 50% to 215°	A to 100% to 500°	NO DATA	NO DATA	NO DATA	NO DATA	NR (Type A) A (HIFLUOR)	A to 70°	A	NR	NO DATA	B @ 70°
Thionyl Chloride (Sulfinyl Chloride) (Sulforous Chloride)	Cl <sub>2</sub> OS (7719-09-7)	NO DATA	NR	NO DATA	A to 70°	A	B/NR 10 - 100% @ 70°	NR	NR	A	AC at 70°	NO DATA	NR at 70°	NR at 70°	AB to 70°	NR	A	NR at 70°	B @ 70°	A
Toluene (Toluol)	C <sub>7</sub> H <sub>8</sub> (108-88-3)	A to 212°	A @ 100% to 212°	A to 100°	A to 75°	A (PTFE Encapsulated 316 Stainless St.)	NR	AB to 70° C/NR at 70° NR at 140° BC 176-212° A to 75°	A to 140° AB @ 176° BC 176-212° A to 75°	A	A to 70° AB at 140° C at 180° NR at 70°	NR	NR at 70°	NR at 70°	A to 100° BC to 200°	NR	A	NR 30-100% at 70°	NR	A
Trichloroacetic Acid (TCA)	C <sub>2</sub> HCl <sub>3</sub> O <sub>2</sub> (76-03-9)	A @ 100% to boiling AB to 100% to boil.	NR	A to 200°	A to 68° (Fluoroware)	A (PTFE Encapsulated 316 Stainless St.)	A to 140° AB @ 150°	A to 10% to 140° AC at 70-150°	A to 65% to 212° AB 104-125° A to 189° (blackens)	A	AB at 70-180°	NR	NR at 70°	A to 20% to 70° C/NR 100% at 70° NR at 100% at 122° NR at 70°	NR	B at 70°	A	NR at 70°	BC @ 70°	A
Trichloroethylene (Ethylene Trichloride) (Triad)	C <sub>2</sub> HCl <sub>3</sub> (79-01-6)	B @ 90% to 212° A @ 100% to 212°	A @ 90% to 212° A @ 100 to 140°	AC 70-100° NR @ 200°	A to 212°	A (PTFE Encapsulated 316 Stainless St.)	NR	B at 70° C at 122° NR at 212° AB to 70° C @ 120°	A to 65% to 212° AB 104-125° A to 189° (blackens)	A	AB at 70-180°	NR	NR at 70°	NR	B	A	NR at 70°	NR	NR	A
Triethylamine	C <sub>6</sub> H <sub>15</sub> N (121-44-8)	NO DATA	A	NO DATA	NO DATA	A	NR	A to 70° (Turns Brown)	A	A to 70°	NO DATA	NO DATA	NO DATA	NO DATA	NR	A	A	A to 140°	B @ 70°	NO DATA
Triethanolamine (TEA)	C <sub>6</sub> H <sub>15</sub> NO <sub>3</sub> (102-71-6)	A 100 to 200°	AB to 100% to 75° A 1% & 100% to 200°	A 100% to 200°	A to 70°	A	AB @ 100% 70-185°	AB to 70° NR @ 120°	AB to 100% to 125°	A	NR	AB to 70°	NR	NO DATA	NR	A to 160°	A	B to 100°	A to 70°	NR
Trimethylbenzene (Pseudocumene)	C <sub>9</sub> H <sub>12</sub> (95-63-6)	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	A to 70°	NR	A	B @ 70° C @ 70° (dynamic)	NO DATA	NO DATA
UREA (AdBlue, AUS32, Aqueous Urea Sol. 32.5%) (DEF, Diesel Exhaust Fluid, BlueTec)	CH <sub>4</sub> N <sub>2</sub> O 57-13-6	A to 130° AB to 200°	A to 200°	A to 200°	A to 212°	A	A to 100% to 180°	A to	A to 100% to 250°	A	A to 100% to 70°	B @ 70°	C @ 70°	NR	A to 70° AB to 200°	A to 70° AB to 200°	A	AB to 150°	NO DATA	AB to 70°
Xylene (Xylol)	C <sub>8</sub> H <sub>10</sub> (1330-20-7)	A	A 75-100% A @ 50% to 220°	A to 200°	A to 70°	A (PTFE Encapsulated 316 Stainless St.)	C @ 70-140° NR @ 150°	NR at 70°	A to 175° A to 100% to 175°	A	A to 140° AB at 180°	NR	NR at 100% at 70°	NR at 70°	A to 140°	NR	A	NR at 70°	NO DATA	NR @ 70°

**WARNING:**  
The compatibility data was assembled from 3 main sources, a) the Chemical Resistance Guides published by COMPASS PUBLICATIONS ©, b) the Chemical Resistance guide published by VICTREX, the manufacturer of PEEK™ and c) the Entegris Chemical Compatibility Chart. **The table is to be used as a general guide only. Colder Products Company is not responsible for the accuracy of this data and assumes no obligation of liability in connection with its use. Therefore, CPC insists that all customers test and evaluate the suitability for use of CPC couplings in their particular application before using the couplings!**

**NOTES:**  
\* PVDF may discolor after prolonged exposure in Potassium Hydroxide.  
\* Polypropylene may discolor after prolonged exposure in Sulfuric Acid.

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