



MATERIAL COMPATIBILITY

3.48 | Guide Only

Ratings-chemical effect

- A - No effect - Excellent
- B - Minor effect - Good
- C - Moderate effect - Fair
- D - Severe effect - Not recommended

Explanation of footnotes

1. Satisfactory to 72°F
2. Satisfactory to 120°F
3. Satisfactory for O-rings

	CPVC	Epoxy	Polypropylene	Polyethylene	PVC	Cyclac® (ABS)	Phenolic	Nylon	Noryl®	Delrin® (Acetal)	Ryton® to 200°F	Kynar® (PVDF)	Teflon®	Stainless steel (316)	Stainless steel (304)	Stainless steel (440)	Titanium	Carpenter 20	Cast bronze	Cast iron	Aluminum	Hastelloy C	Carbron.ceramic	Caramagnet A	Viton®	Buna N	Neoprene®	Nitrile	Natural rubber	Hypalon®	EPDM	Kel-F®	Tygon	Silicone	Ceramic	Carbon/graphite		
Tetrachloroethylene	D	-	D	B	D	-	-	A ¹	D	A	-	-	A	A	-	-	-	-	-	-	-	-	-	-	A	D	D	D	D	D	D	D	A	-	-	-	A	
Tetrahydrofuran	D	A	C ²	C ¹	D	-	-	A	D	A	A	B ¹	A	A	A	-	B	A	D	-	-	A	A	A	D	D	D	D	D	D	D	B	A ¹	-	-	-	A	
Toluene (Toluol)	D	B ¹	C ¹	C ¹	D	D	A	A ¹	D	C ¹	A	A ¹	A	A	A	A	A	A	A	A	A	A	A	-	A	D	D	D	D	D	D	D	B ²	D	D	A	A	
Tomato Juice	-	A	A	A ¹	A	B	-	-	A ¹	A	B	A	A	A	A	C	-	A	A	C	-	-	A	A	-	-	A	A	A	-	-	-	A	-	-	-	A	
Trichloroethane	-	A	C	-	C	-	D	C ¹	D	A	-	A	A	A	B	-	A	A	A	A	C	A	A	A	A	A	D	D	D	D	D	D	A	-	-	D	A	
Trichloroethylene	D	C ¹	C ¹	C ¹	D	D	A	C ¹	D	B	A	A ¹	A	B	B ²	B	A	B	A	C	A ¹	B	A	C	A	C	D	C	D	D	D	A	-	-	D	A		
Trichloropropane	-	A	-	-	-	D	D	-	D	A	-	-	A ¹	A	A	A	-	A	A	A	-	A	A	-	A	A	A	A	-	-	-	A	-	-	-	A	-	
Tricresylphosphate	D	A	A ¹	B ¹	D	-	-	A ²	A	C	-	D	A	A ²	B	-	B	A ²	A	A	-	D	A	A	-	B	D	D	D	D	D	A	-	-	-	C	A	
Triethylamine	A	A	D	-	A	-	-	A ¹	B	D	-	A ²	A	A	-	-	-	-	A	A	-	-	A	-	A	A	B	A	-	-	-	A	-	-	-	A	A	
Turpentine	A	B	B ¹	C ¹	B ¹	-	-	A ¹	A ¹	A ²	A	A	A	A	A	B	B	A	C	-	A	B	A	-	A	A	D	A	D	D	D	A	B	D	A	A		
Varnish	-	A	A	A ²	A	-	A	A ¹	A ²	A	-	A	A ¹	A	A	-	-	A	C	A	B	-	A	-	A ¹	A ¹	D	A ¹	-	-	A ¹	-	-	-	-	A		
Vegetable Juice	-	A	A	C ¹	D	-	A	C ¹	D	A	-	-	A	A	A	A	-	-	A	C	A	-	A	A	A	B	D	B	D	D	D	D	A	-	-	-	A	
Vinegar	A	A	A	B ²	A ²	B	-	C	A ¹	B	A	B	A	A	A	A	A	A	C	C	B	A	A	A	A	A	B	B	B	B	A	A	B	A	B	A	A	
Water - Acid: Mine	A	A	A	A ²	A ²	B	-	B ¹	-	A ¹	A	B	A	A	A	C	A	A	C	C	C	A	A	-	A	A	C	A	B	-	A	A	B	B	A	A		
Water - Distilled	A	A	A	A ²	A ²	A	A	A ¹	A	C	A	A	A	A	A	A	A	A	D	D	A	A	A	A	A	A	A	A	A	A	-	A	A	B	-	-	A	
Water - Fresh	A	A	A	A ²	A ²	A	A	A ¹	A	A ²	A	A	A	A	A	A	A ¹	A	A	B	A	A	A	A	A	A	A	A	A	A	-	A	A	B	B	A	A	
Water - Salt	A	A	A	A ²	A ²	-	A	A ²	A	A	A	A	A	A	B	B	C	A	A	D	A	B	A	A	A	A	A	A	A	A	-	A	A	B	-	-	A	
Weed Killers	-	A	-	-	-	-	-	A	-	-	A	-	-	A	A	-	-	-	C	-	C	-	A	-	A	A	C	A	-	-	-	-	-	-	-	-	A	
Whiskey & Wines	A ²	B	A	C	A ²	-	A	A ¹	A ²	A	-	A	A	A	C	A	A	C	D	C ¹	-	A	-	A	A	A	A	A	A	A	A	A	A	C	A	A	A	
White Liquor (Pulp Mill)	-	A	A ¹	A ²	A ²	-	A	A ¹	A ¹	D	-	A ¹	A	A	B	-	-	A	D	C	-	A	A	-	A	A	A	A	-	-	-	-	-	-	-	-	A	
White Water (Paper Mill)	-	A	A	-	A	-	A	A	D	B	-	-	-	A	A	-	-	-	A	A	-	-	A	-	A	-	A	-	-	-	-	-	-	-	-	-	A	
Xylene	-	A	C ¹	C ¹	D	D	A	A ²	D	A	A	A	A	A	A	A	A	A	A	A	A ¹	A	A	A	A	A	D	D	D	D	D	D	A	D	D	A	A	
Zinc Chloride	A	A	A	A ¹	A ²	-	A	C ¹	A ¹	C	A	A	A	D	D	D	A ¹	B ¹	D	D	D	B	A	-	A	A	A	A	A	A	A	A	A	B	-	-	A	A
Zinc Hydrosulfite	-	A	-	-	-	-	A	A	A	C	A	-	-	A	A	-	-	-	D	D	D	-	A	-	-	A	A	A	-	-	-	-	-	-	-	-	-	A
Zinc Sulfate	A	A	A	A ²	A ²	-	A	C ¹	A ¹	C	A	A	A	B	B ¹	C ¹	A	B	C	C	D	B	A	-	A	A	A	A	B	A	A	A	B	A	A	A	A	

Delrin, Hypalon, Neoprene, Teflon, Biton-Reg TM E.I. du Pont de Nemours & Co
Kelf-Reg TM Minnesota Mining & Mfg. Co

Ryton-Reg TM Phillips Petroleum Co
Tygon-Reg TM Norton Co
Noryl-Reg TM General Electric Co

Kynar-Reg TM Penwalt Corp
Cyclac-Reg TM Mar-Bon Corp