

WESTEC Chemical Resistance

Commonly used Chemicals

Rating Key: A=Excellent, B=Good, C=Conditional, X=Do not use **Shaded**=WESTEC product

CHEMICAL	Temp (C/F)	WESTEC - Envirostop 600 Series	WESTEC - Polyethylene	316 Stainless Steel	PVC PLASTICIZED	NEOPRENE	SBR	NATURAL RUBBER	EPDM	NITRILE RUBBER	BUTYL RUBBER	VITON	SILICONE	CHLOROBUTYL	POLYSULFIDE	POLYPROPYLENE
1,4- Dioxane	23/73.4	A	C		X											
Acetaldehyde	23/73.4	A	X	A	X	X	X	C	A	X	B	A	C	B		
Acetates	23/73.4	B	B	A	C	X										
Acetic Acid	23/73.4	A	B	A	A	C		C		C		C			A	A
Acetic Aldehyde	23/73.4	A	A	C	X	C	C	C	B	X	B	X	C	A	B	A
Acetone	23/73.4	B	C	A	X	C	C	X	A	X	A	X	B	A	C	B
Acrylonitrile	23/73.4	A	B	C		X	C	X	X	X	X	X	X	C	X	B
Aluminum Chloride	23/73.4	A	B	C	A	A	A	A	A	A		A	B	A	X	A
Aluminum Sulfate	23/73.4	A	B	C	A	A	B	B	A	B	A	A	A	A	X	A
Ammonia, Anhydrous	23/73.4	A	B	A		A		X		B		X	B		B	A
Ammonium Hydroxide	23/73.4	A	B	A	A	A										
Ammonium Salts	23/73.4	A	A		A	A	A	A	A	A		C	A	A		
Amyl Acetate	23/73.4	A	X	A	X	X	X	X	C	X	A	X	X	A	X	X
Amyl Alcohol	23/73.4	B	B	A	A	A	B	C	A	C	A	B	X	A	B	A
Aniline	23/73.4	A	C	A	X	X	X	X	B	X	B	X	X	B	C	B
Antifreeze (50% Ethylene Glycol/50% Water)	100/212	A														
	125/257	B														
Arsenic Salts	23/73.4	A	B													
ASTM Oil #1	100/212	A														
ASTM Oil #2	100/212	B														
ASTM Oil #3 or IRM 903	100/212	C	X													
ASTM Ref. Fuel A (Iso-octane)	23/73.4	B														
ASTM Ref. Fuel B (70% Isooctane/ 30% Toluene)	23/73.4	B														
ASTM Ref. Fuel C (50% Isooctane/50% Toluene)	23/73.4	C														
Auto Transmission Fluid	70/158	B														
	100/212	B														
	125/257	C														
Barium Salts	23/73.4	A	B		A	A	A	A	A	A		A	A	A		
Benzaldehyde	23/73.4	B	X	A	X	X	X	X	B	X	A	X	X	B	X	X
Benzene	23/73.4	B	X	A	X	X	X	X	X	X	X	A	X		C	X
Benzoic Acid	23/73.4	A	B	A	X	X	X	X	B	X		A	B	B		X
Benzyl Alcohol	23/73.4	B	X	A	X	C	C	C	X	X	B	A		A		
Boric Acid	23/73.4	A	B	A	A	A	A	A	A	A	A	A	A	A	X	A

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Bromine	23/73.4	A	X	X	X	X	X	X	X	X		A	X	X		
Bromobenzene	23/73.4	C	X			X	X	X	X	X	X		X		C	
Butane	23/73.4	B	C	A		B	X	X	X	A	X	A	X	X	A	X
Butanol	23/73.4	A	A	A	A											
n-Butyl Acetate	23/73.4	A	C	C	X	X	X	X	C	X		X	X	C		
Butyric Acid	23/73.4	A	X	A		X	X	B	B	X		X		B		A
Calcium Salts	23/73.4	A	A		A	A	A	A	A	A		A	B	A		
Carbon Disulfide	23/73.4	A														
Carbontetrachloride	23/73.4	X	X	B	X	X										
Chlorine (Wet/Dry)	23/73.4	A/A	C/C	A/X		X ^x / _x										
Chloroacetic Acid	23/73.4	A	X	X	X	X			B		B					
Chlorobenzene	23/73.4	X	X	A	X	X	X	X	X	X	X		X		X	
Chloroform	23/73.4	X	X	A	X	X	X	X	X	X	X	A	X	X	C	X
Chromic Acid 50%	23/73.4	A	C	B	X	X		X		X		A			B	B
Creosote	23/73.4	A														
Cumene	23/73.4	B														
Copper Salts	23/73.4	A	B		A	A	A	A	A	A		A	A	A		
Cyclohexane	23/73.4	X	X	A	X	X	X	X	X	X	X	A	X	X	A	X
Diesel Fuel	23/73.4	B														
Diesel Fuel	70/158	C	X													
Diethyl Ether	23/73.4	A	X	A	X	C	X	X	X	X	X	X	X	C	A	
Dimethyl Phthalate	23/73.4	B														
Dimethylformamide	23/73.4	A	A													
Diocetyl Phthalate	23/73.4	A	A		X	X	X	X	B	X	B	A	C	A	B	
Dioxane, 1.4	23/73.4	A														
Ethanol	23/73.4	A	A		A	A	A	A	A	A		B	A	A		
Ethyl Acetate	23/73.4	A														
Ethyl Chloride	23/73.4	X	X	A	X	C	B	B	B	X	A	A	X	A	X	X
Ethyl Glycol	23/73.4	A	A/B	A	A	A										
Ethyl Hexanol	23/73.4	A														
Ethylene Chloride	23/73.4	A														
Ethylene Dichloride	23/73.4	A														
Ethylene Glycol Monomethyl Ether	23/73.4	A														

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Ferric Salts	23/73.4	A	A		A			A		A		A		A		
Fluorboric Acid	23/73.4	A	B	B		A										
Fluosilicic Acid	23/73.4	A	B	B		A		A		A		B				A
Formaldehyde	23/73.4	A	B	A		X	B	C	A	C	A	B	B	A	A	A
Formaldehyde 40%	23/73.4	A	B	A	A	X				B		X	B		A	A
Formic Acid	23/73.4	A	B	B	X	X	A	C	A	X	A	B	C		A	A
Furfural	23/73.4	B	X	A	X	X	X	X	B	X		X	X	A	A	X
Glucose	23/73.4	A	X	A		A	A	A	A	A	A	A	B	A	X	
Glycerine	23/73.4	A	A	A	A	A	A	A	A	A		A	B	A		A
n-Hexane	23/73.4	B	X	A		B										
Hydraulic Fluid	23/73.4	A														
Hydrogen Sulfide, Solution	23/73.4	A	B	A	A	B										
Hydrochloric Acid 35%	23/73.4	A	A		A											
Hydrocyanic Acid	23/73.4	A	B	B		B	B	B	A	C	A	A			X	B
Hydrogen Peroxide	23/73.4	A	B	B	A	X		C		X		A	C		C	A
Isopropyl Alcohols	23/73.4	A	A	A	A	B										
Jet Fuel - JP8	23/73.4	B														
Kersosene	23/73.4	B	X	A	C	X										
Lithium Grease	23/73.4	A														
Lactic Acid	23/73.4	A	B	B	A	B	B	B	B	C	A	B	A	B	X	A
Lead Salts	23/73.4	A	A		A											
Linseed Oil	23/73.4	A	A	A		B	X	X	C	A	B	B	B	A	A	
Magnesium Salt Solutions	23/73.4	A	B		A											
Maleic Acid	23/73.4	A	B	A		B	X	X	C	X	C	A		C	B	C
Mercury Salts	23/73.4	A	B													
Methanol	23/73.4	A	B	A		A										
Methyl Ethyl Ketone	23/73.4	B	B	A	X	X										
Methyl Isobutyl Ketone	23/73.4	A														
Methyl Methacrylate	23/73.4	A														
Methylene Chloride	23/73.4	A														
Naphtha	23/73.4	B	X	A		X	X	X	X	B		A	X	X		
Natural Gas	23/73.4	A	A	A		A	C	C	X	A	X	A	A	X	B	
Nickel Salts	23/73.4	A	B		A	X	A	A	A	A		A	A	A		

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Nitric Acid- 10%	23/73.4	A	B	A	A	X		X		X		A			X	A
Nitric Acid- 30%	23/73.4	B	B	A	A	X				X						
Nitric Acid- 70%	23/73.4	B	X	A		X			X	X						X
Nitrobenzene	23/73.4	B	X	B	X	X	X	X	X	X	X	X	X		X	C
Nitroethane	23/73.4	A														
Nitrous Acid	23/73.4	A	X													
Oil, Mineral	23/73.4	A	C													
Oleic Acid	23/73.4	B	X	A	A	X	X	X	C	C	B	B	X	C		C
Oxalic Acid	23/73.4	A	A	B	A	B	B	C	A	C	A	B	B	A	X	
Pentane	23/73.4	X														
Perchloroethylene	23/73.4	X	X	A		X	X	X	X	X	X	A	X	X	A	X
Phenol	23/73.4	B	X	A		X	X	X	B	X	B	A	X	B		
Phosphoric Acid 30%	23/73.4	A	A		A											
Phosphoric Acid 40%-100%	23/73.4	A	A/C	B		X										
Phthalic Acid	23/73.4	A	B	A		X				X						
Potassium Hydroxide	23/73.4	A	B	B	A	A	B	B	B	C	A	C	C	A	B	
Potassium Salts	23/73.4	A	B		A	A	A	A	A	A		A	A	A		
Power Steering Fluid	23/73.4	A														
	100/212	C														
	125/257	X														
Propanol	23/73.4	B	A	A		A	A	A	A	A		A	A	A		
Pydraul	100/212	A														
Pyridine	23/73.4	B	C	C		X	X	X	C	X	B	X			A	B
Sea Water	23/73.4	A	B	C	A	B		A		A		A	B			A
Silver Salts	23/73.4	A	A		A											
Soap Solutions	23/73.4	A	B	A	A	B	B	C	A	A	A	A	B	A	X	A
Sodium chloride	23/73.4	A	B	C	A	A	A	B	A	A	A	A	C	A	C	A
Sodium Hydroxide 50% Solution	23/73.4															
Sodium Hydroxide 80% Solution	23/73.4	A	C	X	A	C		B		X		B	X		B	A
Sodium Hypochlorite	23/73.4	A	B	A	A	X	C	C	B	X	B	X	C		X	X
Sodium Salts	23/73.4	A	A		A	B	A	A	A	A		A	A	A		
Stearic Acid	23/73.4	A	B	A	A	B	C	C	X	B	B	A	X	B	X	
Sulfur Chloride	23/73.4	X	A	X		X	X	X	X	X	X	A	C	X		X

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Sulfur Dioxide	23/73.4	A	C	A	A	C	C	X	A	X	B	X	C		X	X
Sulfuric Acid 10%	23/73.4	A	A	C	A	X										
Sulfuric Acid 10%-50%	23/73.4	A	A	X	A	X										
Sulfuric Acid 50%-70%	23/73.4	A	B	X	B	X										
Sulfuric Acid 70%- 90%	23/73.4	A	B/C	X	C	X										
Sulfuric Acid 98%	23/73.4	B	X	X		X			X	X						X
Sulfurous Acid	23/73.4	A	B	B		B	B	C	B	C	B	A	X		X	A
Sulfurous Acid 30%	23/73.4	A	A		A											
Tannic Acid	23/73.4	A	B	A	A	A	B	A	B	X	A	A	C	B	A	A
Tetrahydrofuran	23/73.4	B	X	A	X	X	X	X	X	X	B	X		B	A	X
Toluene	23/73.4	B	X	A	X	X	X	X	X	X	X	C	X	X	X	X
Trichloroethylene	23/73.4	B	X	A	X	X	X	X	X	X	X		B			X
Trisodium Phosphate	23/73.4	A	A	A	A	A	A	A	A	A		A		A		
Turpentine	23/73.4	B	X	A		X	X	X	X	X	X	A	X	X	B	X
Urea	23/73.4	A	B		A	B	A	A		B				A		
Water	23/73.4	A	A	A	A	B	A	A	A	A	A	B	A	A	X	
Water (Brine)	23/73.4	A	A		A											
Water (Steam)	23/73.4	A	B		A											
Xylene	23/73.4	B	X	A	X	X	X	X	X	X	X	A	X		B	X
Zinc Chloride	23/73.4	A	B	C	A	X	A	A	A	A	A	A	A	A	C	A