

proval



Chemical Resistance Chart for Seat / Seals



DORUK ENDÜSTRİ
Valve & Automation Systems



CHEMICAL RESISTANCE CHART

WARNING

The following data is based on tests and believed to be reliable; however the tabulation should be used as a guide ONLY, since it does not take into consideration all variables, such as elevated temperatures, fluid contamination, concentration, etc. that may be encountered in actual use. All critical applications should be tested. Note: all data based on 21° C unless other wise noted.

TRADE NAME	DESCRIPTION	TRADE NAME	DESCRIPTION
BUTYL	ISOBUTYLENE-ISOPRENE	CPE	CHLORINATED POLYETHYLENE
EPDM	ETHYLENE PROPYLENE-DIENE	HYPALON	CHLOROSULTONYL POLYETHYLENE
HYTREL	THERMOPLASTIC POLYESTER	NATURAL	NATURAL RUBBER
NEOPRENE	POLYCHLOROPREN	NITRILE	ACRYLONITRILE
NYLON	NYLON POLYMER	SBR	STYRENE-BUTADIENE
SANTOPRENE	ETHYLENE-PROPYLENE-DIENE	PTFE	FLUOROCARBON RESIN
UHMW	ULTRA-HIGH MOLECULAR WEIGHT POLYETHYLENE	URETHANE	URETHANE
VITON	FLOROELASTOMER	XLPE	CROSS-LINKED POLYETHYLENE

E = EXCELLENT
 G = GOOD
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CHEMICAL OR MATERIAL CONVEYED	BUTYL	CPE	EPDM	HYPALON	HYTREL	NATURAL	NEOPRENE	NITRILE	NYLON	SANTOPRENE	SBR	PTFE	UHMW	URETHANE	VITON	XLPE
ACETALDEHYDE	E		G	C			F	X	E	X		G	G	X		E
ACETIC ACID, GLACIAL	G	G	G	X	E	X	X	C	X	X	X	C	E	X	X	E
ACETIC ACID-10%	E	E	E	F	E	F	F	X	E	F	E	G	E	X	C	E
ACETIC ACID-50%	E	E	E	X	E	G	X	X	C	X	C	G	G	X	V	E
ACETIC ANHYDRIDE	E	E	E	G	C	F	G	X	G	X	X	G	G	X	X	E
ACETIC OXIDE	E	E		G		F				G		E			X	E
ACETONE	E	E	E	F	G	C	X	X	E	C	E	G	E	X	X	E
ACETONE CYANOHYDRIN	E	E		F		F				F			G		X	E
ACETONITRILE		E										F				
ACETOPHENONE	E		E	X		X	X	X		X			X	X	X	X
ACETYL ACETONE	G	G	E	X		X	X	X		X		G	E	X	X	E
ACETYL CHLORIDE	X	E	X	X		X	X	X		X			G	X	E	G
ACETYL OXIDE	E	E		G		F				G		E	E		X	E
ACETYLENE	E		E	E	E	E	G	E	E	E			E	C	E	E
ACETYLENE DI+ TETRA CHLORIDE	X			X		X				X					G	G
ACROLEIN	E			G		G				F		G			E	E
ACRYLENITRILE	X	E	X	C		X	X	X	G	X				X	X	C
ACRYLIC ACID		E														
ADIPIC ACID	E		G	E			G	G		G				E		
AIR, +300F			X	X		X	X	X		X			X	X	X	
ALK-TRI	X			X		X		X							E	E
ALLYL ALCOHOL	E	E		E		E				E			E		E	E
ALLYL BROMIDE	X	G		X		X				X			G		G	G
ALLYL CHLORIDE	X	G		X		X				X		E	G		G	G
ALUM	E	E	E	E		E	E	E	C	E		E	E		E	E
ALUMINUM ACETATE (AQ)	G	E	E			X	G	F		X		E	E	X	X	E
ALUMINUM CHLORIDE(AQ)-40%	E	E	E	E	C	E	E	E	X	E		E	E	E	E	E
ALUMINUM FLUORIDE	E		E	E		G	E	E	X	E			E	C	C	E
ALUMINUM FORMATE	G			X		X				X			E		X	E
ALUMINUM HYDROXIDE		E		G		E	E	G				E	E			
ALUMINUM NITRATE (AQ)	E	E	E	E		E	E	E		E		E	E	C	E	E
ALUMINUM SULFATE (AQ)	E	E	E	E	C	E	E	E	X	E		E	E	X	E	E
ALUMS-NH3-CR-K	E		E	E		E	E	E	X	E					E	
AMINES-MIXED	G		G	X		G	G	X		G				X	X	
AMINO BENZENE		G														
AMINODIMETHYLBENZENE		C														



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 CHEMICAL OR MATERIAL CONVEYED

BUTYL CPE EPDM HYPALON HYTREL NATURAL NEOPRENE NITRILE NYLON SANTOPRENE SBR PTFE UHMW URETHANE VITON XLPE

AMINOETHANE		E																	
AMINOXYLENE		C																	
AMMONIUM CARBONATE (AQ)	E		E			E	E	X	G	E				G	C				
AMMONIUM CHLORIDE (AQ)	E	E	E	E	E	E	E	E	X	E		E	E	E	C	E			
AMMONIUM HYDROXIDE	E	E	E	G	C	X	E	X	E	X		E	E	X	C	E			
AMMONIUM NITRATE (AQ)	E		E	E			E	E	E	E		E	E	X	C	E			
AMMONIUM PHOSPHATE, DIBASIC	E	E	E	E		E	E	E	E	E		E	E		C	E			
AMMONIUM SULPHATE (AQ)	E	E	E	E	C	E	E	E	E	E		E	E	E	X	E			
AMMONIUM SULPHITE	E	E		E		E				E					E	E			
AMMONIUM THIOSULPHATE	E	E		E		E				E		E		G	E	E			
AMYL ACETATE	E	C	X	X	C	X	X	X	E	X	X	C	E	X	X	E			
AMYL ACETONE	G			X		X				X					X	E			
AMYL ALCOHOL	E	E	E	E	E	E	G	X	E	E	X	E	E	X	G	E			
AMYL BROMIDE		C																	
AMYL CHLORIDE	X	G	X	X		X	X			X		E	E	C	G	G			
AMYL ETHER		E																	
AMYLAMINE	E	G		F		G				G									
ANETHOLE	X	X		X		X			G	X			G		G	G			
ANILINE	E	G	C	X	X	X	X	X	X	X	E	E	E	X	C	E			
ANILINE DYES	G	G	G	G		G	G	X	X	G		F	E	X	G	E			
ANILINE OIL	G		G	X		X	X	X		X				X	C				
ANIMAL FATS	G	E	C	X	C	X	C	E	E	X	X		E	C	E	E			
ANTIMONY PENTACHLORIDE	X			X		X				X									E
AQUA REGIA	X	G	C	C		X	X	X		X		E	X	X	G	X			
ARGON	G		E	X	E	X	X	C	E	X		E	E	E		E			
ARSENIC ACID	E	E	E	E		E	E	E		E		E		C	E	E			
ASPHALT	X		X	X	C	X	X	X	E	X		E	X	G	E	X			
ASTM FUEL A	X	E	X	G	E	X	E	E	E	X	X	E	G	E	E	G			
ASTM FUEL B	X	G	X	X	E	X	X	E	E	X	X	E	G	E	E	G			
ASTM FUEL C	X	G	X	X	E	X	X	G	E	X	X	E	G	X	E	G			
ASTM OIL NO. 1	X	E	X	G	E	X	E	E	E	X	X	E	E	E	E	E			
ASTM OIL NO. 2	X	E	X	X	E	X	G	E	E	X	X	E	E	E	E	E			
ASTM OIL NO. 3	X	G	X	X	C	X	X	E	E	X	X	E	E	E	E	E			
ASTM OIL NO. 4	X		X	X		X	X	G		X			E	X	E	E			
AUTOMATIC TRANSMISSION FLUID	X	E	X	C		X	G	E		X			E	G	E	E			
BANANA OIL	C	G	C					X		X			E						E
BARIUM CHLORIDE (AQ)	E	E	E	E		E	E	E	X	E		E	E	G	E	E			
BARIUM HYDROXIDE (AQ)	E	E	E	E	C	E	E	E	E	E		E	E	E	E	E			
BARIUM SULFIDE (AQ)	E	E	E	E		E	E	E	F	E		E	E	E	E	E			
BEER	E	E	G	E	G	E	G	C	G	E		E	E	X	E	E			
BEET SUGAR LIQUORS	E	E	E	E		E	G	E	E	E		E	G	X	E	E			
BENZAL CHLORIDE	G	X											E						E
BENZALDEHYDE	E	C	E	X	X	X	X	X	E	X	X	C		X	X	E			
BENZENE	X	X	X	X	C	X	X	X	E	X	X	G	G	X	E	E			
BENZENE CARBOXYLIC ACID		E																	
BENZINE	X		X	X		X	G	E	E	X		E		G	E	E			
BENZOIC ACID	X	E	X	X		X	X	X	G	X		G		X	E	E			
BENZOL		G	X					X	F			E	G						
BENZOTRICHLORIDE		X											G						G



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	BUTYL	CPE	EPDM	HYPALON	HYTREL	NATURAL	NEOPRENE	NITRILE	NYLON	SANTOPRENE	SBR	PTFE	UHMW	URETHANE	VITON	XLPE
BENZYL ACETATE	G	G		X		X				X			E		X	E
BENZYL ALCOHOL	X	E	X	F		X	C	X	C	X	X	E	E	X	E	E
BENZYL CHLORIDE	G	X	G	C		C	X	X		C		E	E		C	E
BENZYL ETHER		C														
BIS (2-CLOROETHYL) ETHER		G														
BLACK SULFATE LIQUOR	E		E	G		G	G	G	F	G		E	E	X	E	
BLEACH (2-15%)	G		G	F		X	X	X		X		E	E	X	G	G
BORAX SOLUTION	E	E	E	E	E	G	E	C	E	G	G	E	E	G	E	E
BORIC ACID		E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
BRAKE FLUID (HD-557) 12 DAYS	G	E	E	G			G	C	E	E		E			X	
BRINE	E	E	E	E		E	E	F	C	E		E	E		E	E
BROMACIL			E													
BROMOBENZENE	X	X	X	X		X	X	X		X			C	X	G	C
BROMOCHLOROMETHANE	G	G	G	X		X	X	X		X					X	G
BROMOETHANE		G														
BROMOTOLUENE	X	X		X		X				X					G	F
BUGDIOXANE																E
BUNKER OIL	X		X	X		X	X	E		E		E		G	E	E
BUTADIENE	X		X	C		X	X	X		X		E		X	G	E
BUTANE	E	G	X	G	E	X	E	E	E	X		E	E	E	E	E
BUTANOIC ACID		E														
BUTANOL (BUTYL ALCOHOL)	E	E	G	E	E	E	E	E	E	E	G	E	E	G	E	E
BUTANONE		G			X			X	E		X	G	E	X		E
BUTOXYETHANOL		E														
BUTYL ACETATE	G	G	C	X	C	X	X	X		X		C	E	X	X	E
BUTYL ACRYLATE	X	G	X	X		X	X	X					G		X	G
BUTYL ALCOHOL	E	E	E	E		E	E	E		E		G	E	G	E	E
BUTYL ALDEHYDE	E	G				F							E		X	E
BUTYL BENZYL PHTHALATE	E		E	X		X	X	C		X			E		C	E
BUTYL CARBITOL	E	E	E	C		X	C	X		X		E	E		C	C
BUTYL CELLUSOLVE	E	E	G	X		X	X	C		X		E	E	E	X	E
BUTYL CHLORIDE	F	C		X		X				X			C		G	G
BUTYL ETHER	C	E	C	X		X	X	C		X			E	G	X	E
BUTYL ETHER ACETALDEHYDE	E			X		X				X			E		X	E
BUTYL ETHYL ETHER	G			X		X				X			E			E
BUTYL OLEATE	G		G	X		X	X	X		X						E
BUTYL PHTHALATE	E	C		X		X				X					F	E
BUTYL STEARATE	X	G	X	X		X	X	G		X		E	E		C	E
BUTYLENE	X		X	X		X	C	G		X				X	E	
BUTYRALDEHYDE	E	G	G	X		X	X	X		X		E	E	X	X	E
BUTYRIC ACID	F	E	G	X	C	F	X	X		X		E	E		G	E
BUTYRIC ANHYDRIDE	F			G		F				X		E			X	E
CADMIUM ACETATE	G	E		X		X				X			E			E
CALCIUM ALUMINATE	E			E		E				E					E	E
CALCIUM BICHROMATE	E			F												G
CALCIUM BISULFIDE			X		G		C	E	F			E				
CALCIUM CHLORIDE	E	E	E	E	E	E	E	E	C	E		E	E	E	E	E
CALCIUM HYDROXIDE	E	E	E	G	E	E	E	E	E	G		E	E	E	E	E
CALCIUM HYPOCHLORITE	G	E	E	F	E	X	X	X	X	X		E	C	X	X	C



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CHEMICAL OR MATERIAL CONVEYED

	BUTYL	CPE	EPDM	HYPALON	HYTREL	NATURAL	NEOPRENE	NITRILE	NYLON	SANTOPRENE	SBR	PTFE	UHMW	URETHANE	VITON	XLPE
CALCIUM NITRATE	E	E	E	E		E	E	E	E	E		E	E	E	E	E
CALCIUM SULFIDE	E	E	E	E		E	E	G		E		E	E	E	E	E
CALCIUM ACETATE	G	E	E	X		X	G	G		X		E	E	X	X	E
CAPRYLIC ACID	F	E		G		F				X			E			E
CARBAMIDE		E														
CARBITOL	F	E	G	X		X	G	G		X		E	E	X	G	E
CARBOLIC ACID PHENOL	E	E	G	X		X	X	X		X		E	E		E	E
CARBON DIOXIDE	E		C	E	E	E	C	X	E	E		E	E	E	G	E
CARBON DISULFIDE	X	C	X	X		X	X	X	X	X		E	E	X	E	C
CARBON MONOXIDE	E		C	E	E	E	C	E	E	G		E	E	G	E	E
CARBON TETRACHLORIDE	X	X	X	X	C	X	X	X	G	X	X	E	G	X	E	G
CARBONIC ACID	E	E	G	E	X	E	X	X	X	E	X	E		X	E	E
CASTOR OIL	E	E	G	E	G	F	E	E	E	G		E	E	G	E	E
CAUSTIC SODA (SEE SODIUM HYDROXIDE)																
CELLOSOLVE ACETATE	E		G	X		X	X	X	F	X		E	E	X	X	E
CELLUGUARD	E		G	E		E	E	E	E	E		E		X	E	
CETYLIC ACID		E														
CHINA WOOD OIL (TUNG OIL)	C		X	X		X	G	E		X				C	E	
CHLORINATED SOLVENTS	X		X	X		X	X	X	C	X		E		X	E	G
CHLORO-2-PROPANONE		X														
CHLOROACETIC ACID	F		X	X	X	X	X	X	X	X	X	C	E	X	X	E
CHLOROACETONE	G	X	E	X		X	X	X		X		E	E	X	X	E
CHLOROBENZENE	X	X	X	X	X	X	X	X	E	X	X	E	G	X	E	G
CHLOROBUTANE	F	C		X		X				X			G		E	G
CHLORODANE			E					E								
CHLOROETHYL BENZENE	X	X		X		X				X			E		G	E
CHLOROFORM	X	X	X	X	X	X	X	X	X	X	X	E	E	X	E	G
CHLOROPENTANE	X	G		X		X				X			E		E	E
CHLOROSULFONIC ACID	X	X	X	X	X	X	C	X	X	X		C	X	X	X	G
CHLOROTOLUENE	X	X	X	X		X	X	X		X		E	G	X	G	G
CHLOROX	G	E	G	G		X	G	G		X			G	X	E	
CHROME PLATING SOLUTIONS	X		G	X		X	X	X		X			E	X	E	
CHROMIC ACID	F	E	C	G	X	X	X	X	X	X	X	E	E	X	C	G
CHROMIUM TRIOXIDE		E														
CINNAMENE		C														
CIS-9-OCTADECENOIC ACID	G	E		X		X				X					C	E
CITRIC ACID	E		E	E	E	E	E	E	E	E	E	E	E	E	C	E
COAL OIL	X		X	X		X		X	E	X	X		E		E	E
COAL TAR	X		X	X		X	G	E		X			E		E	E
COAL TAR NAPHTHA	X		X	X		X				X					E	E
COCONUT OIL	G		C	X		X	G	E		X		E	E	C	C	E
COKE OVEN GAS	X		X	X		X	X	X	E	X		C		X	E	E
COOLANOL (MONSANTO)			X	G	X	X	E	E		X				X	E	
COPPER CHLORIDE	E	G	E	E	E	F	C	C	C	E		X	E	G	E	E
COPPER CYANIDE	E		E	E		E	E	E		E		E	E	E	E	E
COPPER HYDRATE	E			G		F				G			E		F	E
COPPER HYDROXIDE	E			G		F				G					F	E
COPPER SULFATE	E	E	E	E	E	F	E	E	X	E		E	E	G	E	E
CORN OIL	E	G	C	X	G	X	C	E	G	X		G	E	G	E	E



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COTTONSEED OIL	C	G	C	X	G	X	C	C	E	X		E	E	G	E	C
CREOSOTE	X		X	X		X	C	C	X	X	X	E	E	C	E	E
CRESOLS	X	E	X	X		X	X	X	X	X	X	E	E	X	E	E
CRESYLIC ACID	X		X	X		X	X	X		X		E	E	X	E	E
CROTONALDEHYDE	E	E		X		X				X			E		X	E
CRUDE OIL	X		X	X		X	X	G	E	X		E	E		E	E
CUMENE	X	C	X	X		X	X	X		X		E	E	X	E	E
CUPRIC CARBONATE	E	E		E		F				E			E		E	E
CUPRIC HYDROXIDE		E														
CUPRIC NITRATE	E	E		E		F				E			E	G	E	E
CUPRIC SULFATE	E	E		E		F				E			E	G	E	E
CUTTING OIL	X		X	G		X	G	E		X		E		E	E	
CYCLOHEXANE	X	E	X	X	E	X	X	G	E	X	X	E	E	G	X	E
CYCLOHEXANOL	X	E	X	X		X	G	C	E	X	X	E	E		E	E
CYCLOHEXANONE	X	C	X	X		X	X	X	E	X	X	E	E	X	X	E
CYCLOPENTANE	X	G		X		X				X			E		E	E
CYCLOPENTANOL	X	E		X		X				X			E		G	E
CYCLOPENTANONE	X	G		X		X				X						E
CYCLOPENTYL ALCOHOL		E														
D-FURALDEHYDE		E														
DDT IN KEROSENE	X		X	X		X	F	E	E	X		E			E	E
DECAHYDRONAPHTHALENE		C														
DECAHYDROXYNAPHTHALENE		C														
DECALIN	X	X	X	X		X	X	X		X		E	X		E	E
DECYL ALCOHOL	E	E		E		E				E			E		G	E
DECYL ALDEHYDE	E			X		X				X			E		X	E
DECYL BUTYL PHTHALATE	E			X		X				X			E		F	E
DECYL CARBINOL		E														
DETERGENT, WATER SOLUTION	E	G	E	G		G	G	E		G		E		X	E	
DEVELOPING FLUID (PHOTO)	G		G	E		E	E	E		G					E	
DEXTRON	X		X	X		X	G	E		X				G	E	
DI(2ETHYLHEXYL) ADIPATE		C														
DI(2ETHYLHEXYL) PHTHALATE		C														
DI-ISO-BUTYLENE	X		X	X		X	X	G		X				X	E	E
DI-ISO-DECYL PHTHALATE		E														
DI-ISO-PROPANOLAMINE	E	E														
DI-ISO-PROPYL ETHER	F	E		X		X				X						E
DI-ISO-PROPYL KETONE	G	C	E	X		X	X	X		X		E		X	X	E
DI-P-MENTHA-1,8-DIENE		G														
DIACETONE ALCOHOL	E	E	X	X		X	X	X		X		E	E	X	X	C
DIACETYLMETHANE		E														
DIALLYLPHTHALATE		G														
DIAMMONIUM PHOSPHATE									E							
DIAMYL NAPHTHALENE	E			X		X				X					F	E
DIAMYLAMINE	E	E		G		F				G						
DIAMYLENE	X	G		X		X				X					E	E
DIAMYLPHENOL	X	E		X		X				X					E	E
DIBENZYL ETHER	E	C	X	X		X	X	X		X		E	E	G	X	E
DIBROMOBENZENE	X			X		X				X			G		E	E



CHEMICAL RESISTANCE CHART

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CHEMICAL OR MATERIAL CONVEYED

BUTYL CPE EPDM HYPALON HYTREL NATURAL NEOPRENE NITRILE NYLON SBR SANTOPRENE PTFE UHMW URETHANE VITON XLPE

DIBROMOMETHANE		C														
DIBUTYL ETHER	G	E	C	X		X	X	X		X		E	E	C	C	E
DIBUTYL PHTHALATE	C	C	C	X	E	X	X	X	E	X		E	E	X	C	E
DIBUTYL SEBACATE	E	G	G	X		X	X	X		X		E	E	X	F	E
DIBUTYLAMINE	X	E	X	X		X	X	X		X		E	E	X	X	
DICALCIUM PHOSPHATE	E			E		E				E					E	E
DICHLORO ETHYLENE					X				C		X			C		
DICHLOROACETIC ACID	F	G		X		G				X					X	E
DICHLOROBENZENE	X	X	X	X	X	X	X	X	E	X	X	G	E	X	E	G
DICHLOROBUTANE	X	C	C	C		C	C	G		X			E	X	E	E
DICHLORODIFLUOROMETHANE	X			X		X				X					G	
DICHLOROETHANE	X	C		X		X				X					E	E
DICHLOROETHYL ETHER	X	G		X		X				X						E
DICHLOROHEXANE	X	C		X		X				X			E		E	E
DICHLOROMETHANE	X	C		X		X				X			E		E	E
DICHLOROPENTANE	X	C		X		X				X			E		E	E
DICHLOROPROPANE	X	C		X		X				X		E	E		E	E
DICHLOROPROPENE												E	E		E	E
DICHLOROTOLUENE		X														
DIESEL OIL	X		X	C	C	X	C	E	E	X	X	E	E	C	E	C
DIETHANOL AMINE	E	E		F	C	G				G			E			
DIETHLBENZINE	X	C	X	X		X	X	X		X			E	X	E	E
DIETHYL ETHER	X	E	X	X		X	C	X	G	X		G		G	X	E
DIETHYL KETONE	G	C		X		F				X					X	E
DIETHYL OXALATE	E	E		X		E				E						E
DIETHYL PHTHALATE	E	G	G	X	E	X	X		E	X		E	E		F	E
DIETHYL SEBACATE	E	G	C	X	G	X	X	X		X	E			X	E	
DIETHYL SULFATE		E														
DIETHYLAMINE	E	E	G	C		G	C	C		G		E	E	C	X	C
DIETHYLENE GLYCOL	E	E	E	E		E	E	E		E			E	X	E	C
DIETHYLENE OXIDE		G														
DIETHYLENETRIAMINE	E	E		F		G				G			E			
DIETHYLTRIAMINE	E	E		F		G				G						
DIHYDROXY DIETHYL ETHER		E														
DIHYDROXY SUCCINIC ACID		E														
DIHYDROXYDIETHYL ETHER	E			E		E				E					E	
DIISOBUTYL KETONE	G		G	X		X	X	X		X			E		X	E
DIISODECTYL PHTHALATE	E			X		X				X			E		F	E
DIISOCTYL ADIPATE	E			X		X				X			E		F	E
DIISOCTYL PHTHALATE	E			X		X				X			E		F	E
DIMETHYL CARBINOL		E											E			
DIMETHYL KETONE		E											E			
DIMETHYL PHTHALATE	G	E	G	X		X	X	X		X		E	E		G	E
DIMETHYL SULFATE		E														
DIMETHYL SULFIDE		G														
DIMETHYL-3-PENTANONE		C														
DIMETHYL-4-HEPTANONE		C														
DIMETHYLAMINE		E										E	E			E
DIMETHYLANILINE	C	C	G	X			C	C		C		E	G			



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BUTYL CPE EPDM HYPALON HYTREL NATURAL NEOPRENE NITRILE NYLON SANTOPRENE SBR PTFE UHMW URETHANE VITON XLPE

	BUTYL	CPE	EPDM	HYPALON	HYTREL	NATURAL	NEOPRENE	NITRILE	NYLON	SANTOPRENE	SBR	PTFE	UHMW	URETHANE	VITON	XLPE
DIMETHYLBENZENE		X											E			
DIMETHYLBUTANE		G														
DIOCTYL ADIPATE		C											E			
DIOCTYL PHTHALATE	E	C	C	X	G	X	X	C	G	X		G	E		G	E
DIOXALANE	C	G	G	X		X	X	X		X		E	E	X	X	E
DIOXANE	G	G	G	X		X	X	X		X		E	E	X	X	
DIPENTENE	X	G	X	X		X	X	G		X		E		X	E	
DIPENTYLAMINE		G														
DIPROPYLAMINEOLAMINE	E	G		G		G				G						
DIPROPYLENE GLYCOL	E	E		E		E				E					E	
DISODIUM PHOSPHATE	E	E		E		E				E			E			E
DIVINYL BENZENE	X	X		X		X				X			E		E	E
DOWELL INHIBITOR		G														
DOWFAX 2A1 SOLVENT		E														
DOWFAX 2A1 TA		E														
DOWFAX 6A1 SOLVENT		G														
DOWFAX 6A1 TA		E														
DOWTHERM, A AND E	X	C	X	X		X	X	X	C	X		E	E		E	E
DRY CLEANING FLUIDS	X		X	X			X	C		X					E	
DUCGKIRIOEBAANE	X															
DURO AW16, 31			X					E	E			E				
DURO FR-HD			X					E	E			E				
ETHANOIC ACID		E										C				
ETHANOL (GRAIN ALCOHOL)	E		E	E	E	E	E	C	E	E	E	C	E	X	C	E
ETHANOLAMINE	E	E	E	C		G	G	G		G		E	E		X	G
ETHERS	X		C	X		X	X	X	E	X		E		G	C	
ETHYL ACETATE	G	G	C	X	C	X	X	X	E	X	E	F	E	X	X	E
ETHYL ACETOACETATE	G	E	G	X		X	X	X		X			E		X	E
ETHYL ACETONE		G														
ETHYL ACRYLATE	G	G	G	X		X	X	X		X			E		X	G
ETHYL ALCOHOL	E		E	E	E	E	E	C	E	E	E	C	E		C	E
ETHYL ALDEHYDE	E					F							E		X	E
ETHYL ALUMINUM DICHLORIDE	X			X		X				X					G	G
ETHYL BENZENE	X	X	X	X		X	X	X		X		E	E		E	E
ETHYL BROMIDE	X	C	X	X		X	X	G						C	E	
ETHYL BUTYL ACETATE	G			X		X				X			E		X	E
ETHYL BUTYL ALCOHOL	E			E		E				E			E		G	E
ETHYL CELLULOSE	G		G	G		G	G	G	C	G		E	E	G	X	E
ETHYL CHLORIDE	F		X	X	X	X	X	X	E	X	X	E	G	C	E	G
ETHYL DICHLORIDE	X	C		X		X				X					G	G
ETHYL DIISOBUTYLTHIO-CARBAMATE						E				E						
ETHYL ETHER	C	E	X	X		X	X	C		X		E	E	G	X	E
ETHYL FORMATE	G	E	G	X		X	G	X		X		E	E		X	E
ETHYL IODIDE	X	C		X		X				X			G		G	G
ETHYL OXALATE	X	E	X	X		X	X	X		X		E	E	E	E	E
ETHYL PHTHALATE		G											E			
ETHYL SILICATE	E	E	E	G		F	E	E		F		E	E		E	E
ETHYL-N-BUTYL KETONE	G	C		X		X				X					X	E
ETHYL-1-BUTANOL	E	E		E		E				E					E	E



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BUTYL CPE EPDM HYPALON HYTREL NATURAL NEOPRENE NITRILE NYLON SBR SANTOPRENE PTFE UHMW URETHANE VITON XLPE

	BUTYL	CPE	EPDM	HYPALON	HYTREL	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	SANTOPRENE	PTFE	UHMW	URETHANE	VITON	XLPE
METHYLPROPYL CARBINOL		E														
METHYLPROPYL KETONE	G	G		X		X				X					X	E
MINERAL OIL	X	E	X	F	E	X	C	E	E	X	X	E	E	E	E	E
MINERAL SPIRITS	X		X	X		X	F	E		X			E		E	E
MOBILE HFA			X					E	E			E				
MOLTEN SULFUR	G			F		X				X			X		G	X
MONO-CHLOROACETIC ACID	F	E		X		G				X					C	E
MONOBUTYL ETHER	F			X		X				X					X	E
MONOCHLOROBENZENE	X		X	X	C	X	X	X	G	X	X	E	G	X	E	G
MONOCHLORODIFLUOROMETHANE	F			X		X				X					X	C
MONOETHANOL AMINE	E		E	X		E	X	X		X			E	X	X	E
MONOETHYL AMINE	G			F		F				F					C	C
MONOETHYLAMINE		E										E				E
MORPHOLINE			X					X	X			E				
MOTOR OIL, 40W		E											E			
MTBE	G	X					X	X		X		G	G		X	
MURIATIC ACID	F	E	F	X		E	X	X		X			E		E	E
N-BUTANAL		G														
N-BUTYLAMINE	X	G	X	X		X	X	C		X				X	X	
N-BUTYLBENZENE	X	C		X		X				X					E	E
N-BUTYLBROMIDE	X	C		X		X				X					G	G
N-BUTYLBUTYRATE	F	C		X		X				X					X	G
N-BUTYLCARBINOL		E														
N-NONYL ALCOHOL		E														
N-OCTANE	X	E	X	X		X	G	G		X				X	E	G
N-SERV (75% XYLENE)									E			E			E	C
NA-K			X					X				X				
NAPHTHA	X	E	X		E	X	X	C	E	X	X	E	E	E	E	E
NAPHTHALENE	F	E	X	X	C	X	X	X	E	X	X	E	E	C	C	E
NAPHTHENIC ACIDS		E	X	X		X	X	G		X		E			E	
NATURAL GAS	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X
NEOHXANE	X	G		X		X				X					E	E
NEON GAS	E		E	E		E	E	E	E	E	E	E		E	E	
NEU-TRI	X			X		X				X					E	E
NICKEL ACETATE	E		E	X		E	G	G		X		E	E	X	X	E
NICKEL CHLORIDE	E	E	E	E		E	G	E	X	E		E	E	C	E	E
NICKEL NITRATE	E	E	E	E		E	E			E		E			E	E
NICKEL SULFATE	E	E	E	E		E	E	E	E	E		E	E		E	E
NIETYLENE						E										
NITRIC ACID, CONC (16N)	C	X	X	G	C	X	X	X	X	X	X	E	E	X	C	G
NITRIC ACID, RED FUMING	G	X	X	X	C	X	X	X	X	X	X	E	X	X	X	X
NITRIC ACID, 10%	G		C	X	C	X	X	X	X	X	E	E	E	X	X	C
NITRIC ACID, 13N		E										E				
NITRIC ACID, 13N +5%		E										E				
NITRIC ACID, 20%	G		G	X	F	X	X	X		X		E	E		C	E
NITRIC ACID, 30%	F		C	X	X	X	X	X	X	X		G	E	C	C	E
NITRIC ACID, 30% - 70%	F		F	F		X	X	X		X			E		C	G
NITRILOTRIETHANOL		E														
NITROBENZENE	F	C	X	X	C	X	X	X	E	X	C	E	E	X	G	E



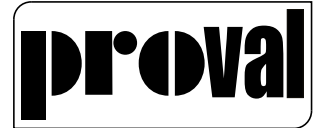
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CHEMICAL OR MATERIAL CONVEYED	BUTYL	CPE	EPDM	HYPALON	HYTREL	NATURAL	NEOPRENE	NITRILE	NYLON	SANTOPRENE	SBR	PTFE	UHMW	URETHANE	VITON	XLPE
PROPANOL	E	E		E		E				E					F	E
PROPANOLAMINE		E														
PROPANONE		E														
PROPEN-L-OL		E														
PROPENEDIAMINE		E														
PROPENENITRILE		E														
PROPENYL ALCOHOL		E														
PROPENYLANISOLE		X														
PROPIONIC ACID			E					X								E
PROPIONITRILE			X				G	E							E	
PROPYL ACETATE	G	G	G	X		X	X	X		X			E	X	X	E
PROPYL ALCOHOL	E	E	E	E		E	E	E		E			E	C	E	E
PROPYL ALDEHYDE	E					F							E		X	E
PROPYL BENZENE		C														
PROPYL CHLORIDE	F	C		X		X				X			E		G	G
PROPYL ETHER		E														
PROPYL NITRATE	G	G	G	X		X	X	X		X					X	
PROPYLENE	X	E	X	X		X	X	X		X					X	E
PROPYLENE DIAMINE	E			F		G				G						
PROPYLENE GLYCOL	E			E		E				E		E	E	E	E	
PYDRAUL, 'E' SERIES		G	E	X	E	X	X	X	E	X		E	E		X	E
PYDRAULIC 'C'			X		E		X	X				E			E	
QUINTOLUBRIC 822 SERIES	X		X			X	X	G							G	
RED OIL	X	E	X	G		X	G	E		X		E		G	E	
REFRIGERANT 11			X				X	G							G	
REFRIGERANT 12			X				G	E							G	
REFRIGERANT 22			X				G	X							G	
RESORCINOL					X			X	X		X	E		X		
SAE NO.10 OIL				X	E		C	G	E		X	E		E	X	
SAL AMMONIAC	E	E	E	E		E	E	E		E				E	E	
SEA WATER	E		E	E	E	E	G	E	E	E	E	E	E	E	E	E
SEWAGE	F	E	F	E		F	E	E	E	F		E	E	X	C	E
SILICATE ESTERS	X		X	E		X	E	G	E	X		E			E	
SILICATE OF SODA	E	E		E		E				E					E	E
SILICONE GREASE	E	E	E	E	E	E	E	E		E		E			E	
SILICONE OIL	E	E	E	E		E	E	E		E			E		E	
SILVER NITRATE	E	E	E	E		E	E	G		E		E	E	E	E	E
SKYDROL 500 TYPE 2			E	X			X	X				E			X	
SKYDROL 500B	G	G	E	X	E		X		E		E	E		C	X	
SKYDROL 500C	G	G		X	E		X					E			X	
SKYDROL 7000 TYPE 2			E				X	X				E			G	
SOAP SOLUTIONS	E	E	E	E	E	G	G	E	E	E	E	E		C	E	E
SODA ASH	E	E	E	E		E	E	E	E	E		E	E		E	E
SODA LIME	E			G		E				G			E		F	E
SODA NITER	E	E		E		E				E					E	E
SODA, CAUSTIC	E			E		G				G			E		F	E
SODIUM ACETATE	G	E	E	X		X	G	G		X		E	E	E	X	E
SODIUM ALUMINATE	E	E		E		E				E			E		E	E
SODIUM BICARBONATE	E		E	E		E	E	E		E		E	E		E	



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SODIUM BISULFATE	F	E	E	E		F	E	E	E	F		E	E		C	E
SODIUM BISULFITE	E	E	E	E		E	E	E		E		E	E		E	C
SODIUM BORATE	E	E	E	E		E	E	E		E		E	E		E	E
SODIUM CARBONATE 10% - 15%	E	E	E	E		E	E	E		E		E			E	E
SODIUM CHLORIDE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
SODIUM CYANIDE	E	E	E	E		E	E	E	E	E		E	E		C	E
SODIUM DICHROMATE	E	E	E	F	X	C	C	C		C			E		C	G
SODIUM HYDRATE	E			G		E				G					F	E
SODIUM HYDROCHLORITE	G		G	F		X	X	X		X					G	G
SODIUM HYDROXIDE (CAUSTIC SODA)	E	E	E	G	G	E	G	X	C	G		E	E	G	G	E
SODIUM HYPOCHLORITE	G	E	G	F	E	X	X	G	X	X	E	E	E	X	E	G
SODIUM METAPHOSPHATE	E	E	E	G		E	G	E		E		E	E		E	E
SODIUM NITRATE	E	E	E	E		E	G	G	E	E		E	E	X	C	E
SODIUM PERBORATE	E		E	G		G	G	G	E	G		E	E		E	E
SODIUM PEROXIDE	E	G	E	G	C	G	G	G		G		E	E	X	E	E
SODIUM PHOSPHATE	E	E	E	E		E	G	E	E	E		G	E	E	E	E
SODIUM SILICATE	E	E	E	E		E	E	E	E	E		E	E		E	E
SODIUM SULFATE	E	E	E	E		E	E	E	E	E		E	E		E	E
SODIUM SULFIDE	E	E	E	E		E	E	E	E	E				E	E	E
SODIUM SULFITE	E	E	E	E		E	E	E		E			E	E	E	E
SODIUM THIOSULFATE	E	E	E	E		E	E	G	E	E		E	E	E	E	E
SOYBEAN OIL	E		C	G	C	X	G	E	E	X		E	E	G	E	E
STANNIC CHLORIDE	E	E	E	E		E	X	E	E	E		E	E			E
STANNIC SULFIDE	E			E		E				E						E
STANNOUS CHLORIDE	E	E	E	E	C	E	E	E		E		E	E		C	E
STANNOUS SULFIDE	E			E		E				E						E
STEAM, BELOW 350° F	G	X	E	X	C	X	X	X	X	X		E	X	X	X	X
STEARIC ACID	G	E	G	X	C	X	G	G	E	X	E	E	E	E	C	E
STODDARD SOLVENT	X	E	X	X		X	G	E		X		E	E	E	E	E
STYRENE	X	C	X	X	X	X	X	X	E	X		E	G	E	G	G
SULFAMIC ACID	E	E	E	G		G	G	G		G					C	C
SULFUR	F		F	F		X	X	X		X		E	E		G	X
SULFUR CHLORIDE	X		X	G		X	C	C	G	X		E	E		E	E
SULFUR DIOXIDE	G		G	G	C	C	X	X	X	C		E	G		C	C
SULFUR TRIOXIDE, DRY	G	X	G	X		G	X	X	X	G		E	X		E	G
SULFURIC ACID 60% (200F)		G											X			X
SULFURIC ACID, CONC. TO 98%	X	X	X	E	C	X	X	X	X	X		C	E	X	E	E
SULFURIC ACID, FUMING	X	X	X	X	X	X	X	X		X		E	X		X	X
SULFURIC ACID, 25%	E		E	X	X	G	X	X	X	X		E	E	X	F	E
SULFURIC ACID, 25% - 50%	E	E	E	X	X	G	X	X	X	X		E	E	X	G	E
SULFURIC ACID, 50% - 96%	X		X	G	X	X	X	X	X	X		E	E	X	E	E
SULFUROUS ACID, 10%	E	E	G	E	G	E	X	X		G		E	E		C	E
SULFUROUS ACID, 10% - 85%	E	E	G	E	G	E	X	X		X		E	E		C	E
SUTAN												E			F	E
T-BUTYLAMINE			G	X												
TALL OIL	X		X	X		X	G	E		X			E		E	C
TALLOW	X		X	X		X	G	E		X			E		C	C
TANNIC ACID	E	E	E	E	E	E	G	E	X	F	E	E	E	C	C	C
TAR	X		X	X		X	G	X	X	X		E	X		E	X



CHEMICAL RESISTANCE CHART

KEY:
 E = EXCELLENT
 G = GOOD
 F = FAIR
 C = CONDITIONAL
 X = UNSATISFACTORY
 BLANK = NO DATA
 CHEMICAL OR MATERIAL CONVEYED

BUTYL CPE EPDM HYPALON HYTREL NATURAL NEOPRENE NITRILE NYLON SBR SANTOPRENE PTFE UHMW URETHANE VITON XLPE

	BUTYL	CPE	EPDM	HYPALON	HYTREL	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	SANTOPRENE	PTFE	UHMW	URETHANE	VITON	XLPE
TAR BITUMINOUS	X		X	X		X	C	G		X		E			E	
TARTARIC ACID	E	E	G	E	C	C	G	E	X	X	E	E	E	C	C	C
TELONE 2																E
TERPINOL	C	E	C	X		X	X	G		X		E	G	G	E	G
TERTIARY BUTYL ALCOHOL	E	G	G	E		E	G	G		E		E		X	E	E
TERTIARY BUTYL AMINE			G	X												
TERTIARY BUTYL MERCAPTAN	X		X	X		X	X	X		X		E			E	
TETRACHLOROBENZENE	X			X		X				X					G	G
TETRACHLOROMETHANE	X	C		X		X				X					E	E
TETRACHLOROETHYLENE	X	X	X	X		X	X	X	C	X			E	X	E	E
TETRACHLORONAPHTHALENE	X			X		X				X					G	G
TETRAETHYLENE GYLCOL	E			E		E				E					E	
TETRAETHYLORTHOSILICATE		E			G			X								
TETRAHYDROFURAN	X	X	X	X	G	X	X		C	X	X			X	X	C
THF									C							C
TIN CHLORIDE	E			E		E		G		E			E			E
TITANIUM TETRACHLORIDE	X	X	X	X	C	X	X	X		X			G	X	E	
TOLUENE	E	X	X	X		X	X		E	X	X	E	E	X	E	G
TOLUIDINE		C														
TOLUOL		C														
TRANSFORMER OIL	X	E	X	C		X	G	E		X		E	E	E	E	
TRANSMISSION 'A' OIL	X	E	X	X		X	G	E	E	X		E		E	E	F
TRI (2-HYDROXYETHYL) AMINE		E														
TRIBUTYL PHOSPHATE	E	C	G	X		X	X	X	E	X		E	E	X	X	E
TRIBUTYLAMINE	E	E		F		G	G			G						
TRICHLOROACETIC ACID	G		G	X		C	X	G		G		E	E	X	C	E
TRICHLOROBENZENE	X	X		X		X				X					G	G
TRICHLOROETHANE	X	X	X	X		X	X	X		X		E		X	E	G
TRICHLOROETHYLENE	X	X	X	X	C	X	X	X	E	X		X	G	X	E	G
TRICHLOROMETHANE		X														
TRICHLOROTOLUENE		X														
TRICRESYL PHOSPHATE	E	E	X	X		X	X	X		X		E	E	X	G	E
TRIETHANOLAMINE	E	E	G	G	X	E	G	C		X		E	E	X	X	E
TRIETHYLAMINE	E	E		F		G				G						
TRIETHYLENE GLYCOL	E	E		E		E				E					E	
TRIHYDROXYBENZOIC ACID		E														
TRIMETHYL PENTANES (MIXED)		E														
TRIMETHYL PENTENE		E														
TRIMETHYLAMINE		E										E	E			E
TRISODIUM PHOSPHATE	E	E	E	E	E	E	E	E	E	E		E		E	E	E
TRITOYL PHOSPHATE		E														
TUNG OIL							G						E			
TUNG OIL (CHINA OIL)	C		X	C	C	X	G	E		X		E	E	C	E	E
TURPENTINEX	X	G	X	X		X	X	X	E	X	X	E	G	E	E	G
UDMH			E	E		E	G	G		E					X	
UNDECYL ALCOHOL		E														
UREA	E	E					E		E			E	E	E		E
URETHANE FORMULATIONS								E	E			E				
URIC ACID									E			E				



Factory / Headquarters

Mermerciler OSB. 1 Cadde 32 Sokak No.10 Köşeler Köyü,
41480 Dilovası / Kocaeli TURKEY
Tel : +90 0262 7281474 - Fax : +90 0262 7281477
info@dorukendustri.com



Istanbul Branch Office

Şehit İlknur Keleş Sokak No:7 Hüseyin Bağdatlıoğlu Plaza
Kat:1 Kozyatağı 34742 Kadıköy / İstanbul TURKEY
Tel : +90 0216 4200074 - Fax : +90 0216 4200094
info@dorukendustri.com



DORUK ENDÜSTRİ
Valve & Automation Systems

www.dorukendustri.com
info@dorukendustri.com

www.proval.net
info@proval.net



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