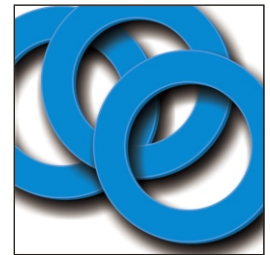


a technical breakthrough in material identification...



gasket

resources
incorporated



Identa-Seal™ Chemical Resistance Chart

*Taking the guesswork out
of material identification.*

Superior Manufacturing • Quality Performance

GRI/DURLON® Identa-Seal™ Chemical Resistance Chart



FLUID	IDENTA-SEAL™			
	GRI-A ^{1,5}	GRI-B ^{2,5}	GRI-GF-S ^{3,5}	GRI-ETP ⁴
Acetaldehyde	NS	NS	NS	C
Acetamide	C	A	A	A
Acetic Acid, 37%	NS	NS	A	A
Acetic Acid, Glacial	NS	NS	NS	C
Acetic Anhydride	NS	NS	NS	NS
Acetone	NS	NS	NS	C
Acetonitrile	NS	NS	NS	C
Acetophenone	NS	NS	NS	C
Acetyl Chloride	A	A	A	A
Acetyl Tributyl Citrate	---	---	---	---
Acrol Flex Polyol Mixture	---	---	---	---
Acrolein (acrylaldehyde)	NS	NS	NS	C
Acrylamide	---	---	---	---
Acrylic Acid	NS	NS	NS	C
Acrylic Emulsion	---	---	---	---
Acrylic Resin Solution	---	---	---	---
Acryloid Oil Additive	---	---	---	---
Acryloid Oil Additive (in flammable solvent)	---	---	---	---
Acryloid Oil Additive (in nonflammable solvent)	---	---	---	---
Acrylonitrile	NS	NS	NS	NS
Adipic Acid Solution	C	A	A	A
Alcohol Bottoms	NS	C	A	A
Alcohol NOS (Not Otherwise Specified)	NS	C	A	A
Alcohol-Beverage	A	A	A	A
Alkyd Resin	---	---	---	---
Alkyl Benzene	C	A	A	A
Alkyl Benzene Sulfonate (or Sulfonic Acid)	---	---	---	---
Alkyl Phenol Ethoxylate	NS	NS	C	C
Alkylamine	NS	NS	NS	C
Alkylbenzene, C10-C16	C	A	A	A
Alkylsulfonic Acid	---	---	---	---
Allyl Alcohol	NS	NS	C	A
Allyl Bromide (3-Bromopropene)	---	---	---	---
Allyl Chloride	---	---	---	---
Allyl Trichlorosilane	---	---	---	---
Alpha Methyl Styrene	---	---	---	---
Alum	A	A	A	A
Allumina Trihydrate Slurry (Aluminum Hydroxide)	A	A	A	A

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Aluminum Ammonium Sulfate (Ammonium Alum)	---	---	---	---
Aluminum Chloride	A	A	A	A
Aluminum Chloride Solution	C	A	A	A
Aluminum Fluoride Solution	A	A	A	A
Aluminum Sulfate (Alum)	A	A	A	A
Aluminum Sulfate, Food Grade	A	A	A	A
Aluminum Triethyl (Triethylaluminum)	---	---	---	---
Aluminum Trimethyl (Trimethylaluminum)	---	---	---	---
Amines (Mixed)*	NS	NS	NS	C
para-Aminodiphenylamine	---	---	---	---
Aminoethylethanol Amine (Hydroxyethylethylenediamine)	---	---	---	---
Aminoethylpiperazine	---	---	---	---
Aminophenol Solution (Hydroxyaniline)	---	---	---	---
Aminothiazole (2-Thiazylamine)	---	---	---	---
Ammonia Gas, <150°F	NS	NS	NS	C
Ammonia Contaminated with Benzene (UTLX 83593, ACFX 99228 AND ACFX 83789)	---	---	---	---
Ammonia, Liquid, Anhydrous	NS	NS	NS	C
Ammonia-Aqua (Ammonium Hydroxide)	NS	NS	C	A
Ammonium Bisulfide	A	A	A	A
Ammonium Carbonate Solution	A	A	A	A
Ammonium Hydroxide	NS	NS	A	A
Ammonium Nitrate	A	A	A	A
Ammonium Nitrate Solution	A	A	A	A
Ammonium Perchlorate	---	---	---	---
Ammonium Phosphate Solution	A	A	A	A
Ammonium Sulfamate Solution	NS	NS	NS	C
Ammonium Sulfate Solution	C	A	A	A
Ammonium Sulfide	C	C	A	A
Ammonium Sulfide Solution	C	C	A	A
Ammonium Sulfite Solution	A	A	A	A
Ammonium Thiocyanate	A	A	A	A
Ammonium Thiosulfate	A	A	A	A
Ammonium Thiosulfate Solution	A	A	A	A

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Amyl Acetate (Banana Oil; Pear Oil)	NS	NS	NS	C
Amyl Chloride (1-Chloropentane)	A	A	A	A
Amyl Mercaptan	---	---	---	---
Amyl Nitrate	---	---	---	---
Amyl Nitrite	---	---	---	---
Amyl Phenol	A	A	A	A
Amyl Trichlorosilane	---	---	---	---
Amylene	---	---	---	---
Amylene (1-Pentene)	---	---	---	---
Aniline (Aminobenzene)	A	A	A	A
Animal Feed Solution	A	A	A	A
Animal Oils (Tallow)	A	A	A	A
Anthraquinone	NS	C	C	A
Anitmony Pentachloride (Anitmony Perchloride)	C	A	A	A
Argon	A	A	A	A
Arochlor (Polychlorinated Biphenyl; PCB)	A	A	A	A
Aromatic Concentrate	C	C	A	A
Arsenic Acid (Orthoarsenic Acid)	A	A	A	A
Asphalt	A	A	A	A
Atrazine (2-Chloro-4-Ethylamino-6-Isopropylamino-s-Triazine)	---	---	---	---
Aviation Gasoline 100 LL	C	C	A	A
Barium Chlorate Solution	A	A	A	A
Base Oil	---	---	---	---
Benzaldehyde (Benzoic Aldehyde)	NS	NS	NS	C
Benzene	B	A	A	A
Benzenephosphorous Dichloride	---	---	---	---
Benezenesulfonic Acid (Phenylsulfonic)	A	A	A	A
Benzoic Acid	A	A	A	A
Benzophenone (Cyasorb)	C	A	A	A
Benzoyl Chloride	C	A	A	A
Benzyl Alcohol (Alpha-Hydroxytoluene)	A	A	A	A
Benzyl Chloride (Alpha-Chlorotoluene)	A	A	A	A
Benzyl Fatty Quaternary Ammonium	---	---	---	---
Biphenyl (Diphenyl)	A	A	A	A
Bisphenol (4,4'-Isopropylidenediphenol)	---	---	---	---
Boric Acid Solution	A	A	A	A

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Boron Trichloride (Boron Chloride)	---	---	---	---
Boron Trifluoride (Boron Fluoride)	---	---	---	---
Brake Fluid (Hydraulic Fluid Petroleum-Based)	C	C	C	A
Brine	C	A	A	A
Bromine	C	A	A	A
Bromochloromethane (Halon 1011)	NS	NS	NS	C
Bromochloropropane (Trimethylene Chlorobromide)	NS	C	C	C
Bunker C Oil	A	A	A	A
Bunker Oil	---	---	---	---
Butadiene (1,3 Butadiene)	NS	C	A	A
Butane	A	A	A	A
Butanediol	A	A	A	A
Butanol	A	A	A	A
Butanol Acid	---	---	---	---
Butene (Butylene)	A	A	A	A
Butyl Acetate (n-; sec-; tert-)	NS	NS	NS	C
Butyl Acrylate (n-Butyl Acrylate)	NS	NS	NS	C
Butyl Alcohol (1-Butanol)	A	A	A	A
Butyl Amine	NS	NS	NS	C
Butyl Benzyl Phthalate (BBP)	NS	C	A	A
Butyl Carbitol (Diethylene Glycol Monobutyl Ether)	C	A	A	A
Butyl Cellosolve (Ethylene Glycol Monobutyl Ether)	NS	NS	C	B
Butyl Chloride (Chlorobutane)	A	A	A	A
2,4-D, Butyl Ester	---	---	---	---
Butyl Ether (n-Dibutyl Ether)	NS	NS	NS	C
Butyl Glycol	---	---	---	---
Butyl Lactate (n-Butyl Lactate)	---	---	---	---
Butyl Lithium (n-Butyllithium)	---	---	---	---
Butyl Mercaptan (Butanethiol)	NS	C	C	C
Butyl Methacrylate	NS	NS	NS	B
Butyl Oleate	A	A	A	A
Butyl Phenol (o-sec-Butyphenol)	A	A	A	A
Butyl Propionate (n-Butyl Propionate)	---	---	---	---
Carbon Black Oil	A	A	A	A

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Carbon Black	A	A	A	A
Carbon Dioxide	A	A	A	A
Carbon Disulfide (Carbon Bisulfide)	B	C	A	A
Carbon Tetrachloride (Tetrachloromethane)	A	A	A	A
Carbowax Polyethylene Glycol 400	A	A	A	A
Carboxybenzene (Benzoic Acid Solution)	A	A	A	A
Castor Oil	A	A	A	A
Caustic Soda	NS	C	C	A
50% Caustic	NS	C	C	A
Cayenne Pepper Mash	A	A	A	A
Cellosolve Acetate	NS	NS	NS	C
Cetyl Alcohol (1-Hexadecanol)	A	A	A	A
Chloral (Trichloroacetaldehyde)	NS	NS	NS	C
Chloral Hydrate	---	---	---	---
Chlordane	A	A	A	A
Chlorinated Paraffin	A	A	A	A
Chlorinated Phosphate Ester	---	---	---	---
Chlorine	A	A	A	A
Chloroacetic Acid	NS	NS	NS	B
Chloroacetyl Chloride	---	---	---	---
Chloroaniline (o-, p-, Aminochlorobenzene)	---	---	---	---
Chlorobenzaldehyde	NS	NS	NS	C
Chlorobenzene (Monochlorobenzene)	A	A	A	A
Chlorobenzenethiol (p-Chlorothiophenol)	---	---	---	---
Chlorobenzotrifluoride	---	---	---	---
Chlorodifluoroethane (Freon 142b)	NS	NS	NS	C
Chlorodifluoromethane (Freon 22)	NS	NS	NS	C
Chloroform (Trichloromethane)	C	A	A	A
Chloroformate - see Poly Oxybutylene Chloroformate	---	---	---	---
Chloro-IPC (Isopopyl-n-(3-Chlorophenyl) Carbimate)	---	---	---	---
Chloronaphthalene	A	A	A	A
Chloronitrobenzene (Nitrochlorobenzene)	---	---	---	---
Chlorophenyl Isocyanate (p-Chlorophenyl Isocyanate)	---	---	---	---
Chloropicrin (Trichloronitromethane)	A	A	A	A
Chlorosulfonic Acid (Sulfuric Chlorohydrin)	NS	NS	NS	B

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Chlorotoluene	A	A	A	A
Chocolate	A	A	A	A
Choline Chloride	---	---	---	---
Chrome Plating Solutions	A	A	A	A
Chromic Acid	A	A	A	A
Citric Acid	A	A	A	A
Citronella (Citronella Oil)	---	---	---	---
Clay Slurry	C	A	A	A
Coal Tar	A	A	A	A
Coal Tar Light Oil, Ashland	A	A	A	A
Coal Tar Oil	C	A	A	A
Coal Tar Pitch	C	A	A	A
Coconut Fatty Alcohol	A	A	A	A
Coconut Oil	A	A	A	A
Cod Liver Oil	A	A	A	A
Copper (II) Sulphate Solution	A	A	A	A
Copper Chloride Solution	C	A	A	A
Corn Gluten Meal	A	A	A	A
Corn Oil	A	A	A	A
Corn Syrup	A	A	A	A
Cotton Seed Oil	A	A	A	A
Creosote	A	A	A	A
meta-Cresol	A	A	A	A
para-Cresol	A	A	A	A
Cresol (Cresylic Acid)	A	A	A	A
tert-Butyl-m-Cresol	---	---	---	---
meta-Cresylic Acid	A	A	A	A
Cresyl Diphenyl Phosphate	---	---	---	---
Cresylic Acid	A	A	A	A
Crotonaldehyde (2-Butenal)	NS	NS	NS	A
Crude Methyl Propanediol	---	---	---	---
Crude Oil	A	A	A	A
Crude Sulfate Turpentine	---	---	---	---
Crude Vegetable Oil (See Vegetable Oil)	A	A	A	A
Cumene (Isopropylbenzene)	A	A	A	A
para-Cumylphenol	---	---	---	---
Cyclohexane (Hexamethylene)	A	A	A	A
Cyclohexanol (Hexahydrophenol)	A	A	A	A

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Cyclohexanone (Pimelic Ketone; Ketohexamethylene)	NS	NS	NS	A
Cyclohexene (1,2,3,4-Tetrahydrobenzene)	NS	C	C	C
Cyclohexylamine (Hexahydroaniline)	NS	NS	C	C
cyclopentadiene	NS	C	C	C
cyclopentane (Pentamethylene)	A	A	A	A
Cyclopropane Carbonitrile	---	---	---	---
Decanol (Decyl Alcohol)	C	A	A	A
Detergents	A	A	A	C
Dextrose	A	A	A	A
Diacetone Alcohol	NS	NS	NS	C
Diacid Chloride (IsoPhthaloyl Chloride)	---	---	---	---
Diallylamine (di-2-Propenylamine)	---	---	---	---
Diaminodiphenylmethane (4,4-Methylenedianiline)	---	---	---	---
Diammoniumphosphate Solution	---	---	---	---
Diamylamine (Di-n-Pentylamine)	NS	NS	NS	C
Diamylphenol (1-Hydroxy-2,4-Diamylphthalate)	---	---	---	---
Diazinon	C	C	A	A
Dibenzyl Sebacate	C	C	A	A
Dibromochloropropane (DBCP)	---	---	---	---
Dibutyl Fumarate	---	---	---	---
Dibutyl Maleate (DBM)	---	---	---	---
Dibutyl Phthalate	NS	C	A	A
Dibutyl Sebacate	NS	C	A	A
Dibutylamine	NS	NS	NS	C
Dibutylcresol	---	---	---	---
Dibutyltin Dilaurate	---	---	---	---
Dicapryl Phthalate (DCP)	C	C	A	A
Dichloroacetaldehyde	---	---	---	---
Dichloroaniline	NS	C	C	A
Ortho-Dichlorobenzene	A	A	A	A
Para-dichlorobenzene	A	A	A	A
Dichlorobenzene (Para- or Ortho-Dichlorobenzene)	A	A	A	A
Dichlorobenzene Mix	A	A	A	A

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Dichlorobutane (Tetramethylene Dichloride; DCB)	A	A	A	A
Dichlorodifluoromethane (R-12)	C	C	C	---
Dichloroethylene (Dichloroacetylene)	B	A	A	A
Dichloromethyl Ether	---	---	---	---
Dichloromonofluoromethane (R-21)	NS	NS	NS	NS
Dichlorophenol	C	C	A	A
2,4-D (2,4-Dichlorophenoxyacetic Acid)	---	---	---	---
Dichloropropane	A	A	A	A
Dichloropropionic Acid (Dalapon Herbicide)	---	---	---	---
Dichlorotetrafluoroethane (R-114)	C	C	C	---
Dicyclohexylamine	NS	NS	NS	C
Dicyclopentadiene	A	A	A	A
Dicyclopentadiene 75% (DCPD)	A	A	A	A
Diesel Fuel (Fuel Oil #2)	A	A	A	A
Diethanolamine	---	---	---	---
Diethyl Carbonate	A	A	A	A
Diethyl Ether	NS	NS	NS	C
Diethyl Formamide	---	---	---	---
Diethyl Phosphite	---	---	---	---
Diethyl Phosphorochloridothionate (ETHYL PCT)	---	---	---	---
Diethyl Phthalate (DEP)	C	A	A	A
Diethyl Sulfate	---	---	---	---
Diethyl Sulfide	---	---	---	---
Diethylaluminum Chloride (DEAC)	---	---	---	---
Diethylamine	NS	NS	NS	C
Diethylbenzene	A	A	A	A
Diethylene Glycol	A	A	A	A
Diethylene Glycol Diethyl Ether	NS	NS	NS	C
Diethylene Glycol Monoethyl Ether	NS	NS	NS	C
Diethylene Glycol Monoethyl Ether Acetate	NS	NS	NS	C
Diethylene Glycol Monomethyl Ether	NS	NS	C	C
Diethylene Glycol Monopropyl Ether	NS	NS	C	C
Diethylenetriamine	NS	NS	NS	C
Diethylenetriamine Pentanoic Acid	---	---	---	---
Diethylethanolamine (Diethylaminoethanol)	---	---	---	---
Diethylketone (Metacetone, Propione)	NS	NS	C	C

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Difluoroethane (Ethylidene Fluoride) R-152a	NS	NS	NS	---
Diisobutyl Carbinol (2,6-Dimethyl-4-	---	---	---	---
Diisobutyl Ketone	NS	NS	NS	C
Diisobutyl Phenol	---	---	---	---
Diisobutyl Phthalate	C	C	A	A
Diisobutylene	A	A	A	A
Diisodecyl Adipate	---	---	---	---
Diisodecyl Phthalate	---	---	---	---
Diisooctyl Azelate (DIOZ)	---	---	---	---
Diisooctyl Phthalate	---	---	---	---
Diisopropanolamine	---	---	---	---
Diisopropyl Ether	A	A	A	A
Diisopropylamine	---	---	---	---
Dilauryl-3,3'-Thiodipropionate	---	---	---	---
Dimer Acid	---	---	---	---
n,n-Dimethyl Acetamide (DMAC)	NS	NS	NS	A
n,n-Dimethyl Aniline	NS	NS	NS	C
Dimethyl Ether (Methyl Ether)	NS	NS	NS	C
Dimethyl Ethyl Ammonium	---	---	---	---
Dimethyl Formamide (DMF)	NS	NS	NS	A
o,o-Dimethyl Phosphorochloridothioate	---	---	---	---
Dimethyl Phthalate	C	A	A	A
Dimethyl Sebacate	C	A	---	---
Dimethyl Sulfate (Methyl Sulfate)	---	---	---	---
Dimethyl Sulfide (Methyl Sulfide)	---	---	---	---
Dimethyl Sulfoxide (DMSO)	NS	NS	NS	C
Dimethyl Terephthalate	C	C	A	A
Dimethylamine, Anhydrous (DMA)	NS	NS	NS	A
Dimethylamine, Aqueous (DMA Solution)	NS	NS	NS	A
Dimethylaminopropylamine	---	---	---	---
Dimethylbenzene	---	---	---	---
Dimethyldichlorosilane (Dichlorodimethylsilane)	---	---	---	---
Dimethylethanolamine (2- Dimethylaminoethanol)	---	---	---	---
n,n-Dimethylethanolamine (DMEA)	---	---	---	---
Dimethylformamide (n, n- Dimethylformamide, DMF)	NS	NS	NS	A

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GRI/DURLON® Identa-Seal™ Chemical Resistance Chart



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	GRI-A ^{1,5}	GRI-B ^{2,5}	GRI-GF-S ^{3,5}	GRI-ETP ⁴
Dimethylhexane	A	A	A	A
Dimethylhydrazine (UDMH)	NS	NS	NS	C
Dimethylhydroxylamine	---	---	---	---
Dimethylol Propionic Acid	---	---	---	---
Dinitrobenzene (o-; m-; p-Dinitrobenzene)	NS	NS	NS	C
Dinitrochlorobenzene	NS	NS	NS	C
Dinitrochlorobenzotrifluoride	---	---	---	---
Dinitrophenol (2, 4-Dinitrophenol)	---	---	---	---
Dinitrotoluene (2, 4-; 3, 4-; 3, 5-Dinitrotoluene)	NS	NS	NS	C
Diocetyl Adipate (Di{2-Ethylhexyl} Adipate)	C	C	A	A
Diocetyl Azelate (Di{2-Ethylhexyl} Azelate)	C	C	A	A
Diocetyl Maleate	C	C	A	A
Diocetyl Phthalate	A	A	A	A
Diocetyl Sebacate	A	A	A	A
Dioxane (Diethylene Ether)	NS	NS	NS	C
Dipentene (Cinene)	A	A	A	A
Diphenyl	A	A	A	A
Diphenyl Ether	A	A	A	A
Diphenyl Oxide	A	A	A	A
Diphenylamine (n-Phenylaniline) (DPA)	NS	NS	NS	C
Diphenyldichlorosilane	---	---	---	---
n-Dipropylamine	---	---	---	---
Dipropylene Glyco Monomethyl Ether	---	---	---	---
Dipropylene Glycol (2,2'-Dihydroxydipropylether)	---	---	---	---
Dipropylene Glycol Dibenzoate	---	---	---	---
Disodium EDTA Solutions	---	---	---	---
Disodium Iminodiacetate	---	---	---	---
Disodium Phosphate (Sodium Phosphate, Dibasic)	---	---	---	---
Disulfide Oil	---	---	---	---
Ditertiary Amyl (Diamyl) Phenol	---	---	---	---
Ditertiary Butyl Phenol	---	---	---	---
Ditridecyl Phthalate (Plasticizer)	---	---	---	---
Ditridecylphthalate (DTDP) (Jayflex)	---	---	---	---
Divinylbenzene (Vinylstyrene)	---	---	---	---
Dodecanol (Lauryl Alcohol)	C	C	A	A
Dodecyl Benzene Sulfonate	---	---	---	---

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Dodecyl Mercaptan (DDM)	---	---	---	---
Dodecylaniline	---	---	---	---
Dodecylbenzene	A	A	A	A
Dodecylbenzenesulfonic Acid (DDBSA)	---	---	---	---
Dodecyl-Pentadecyl Methacrylate UDM	---	---	---	---
Dodecylphenol	C	C	A	A
Dodecyltrichlorosilane	---	---	---	---
Dowtherm-A	A	A	A	A
Dowtherm-E	A	A	A	A
Drilling Mud	C	C	C	C
Emulsifiers	C	C	C	C
Epichlorohydrin (Chloropropylene Oxide)	NS	C	C	C
Ethane	A	A	A	A
Ethanol	C	A	A	A
Ethanolamine (Monoethanolamine, 2-Aminoethanol)	NS	NS	NS	NS
Ethoxylated Alcohol	---	---	---	---
Ethoxylated Fatty Alcohols	---	---	---	---
Ethyl 3-ethoxypropionate	---	---	---	---
Ethyl Acetate	NS	NS	NS	C
Ethyl Acetoacetate	NS	NS	NS	C
Ethyl Acrylate	NS	NS	NS	C
Ethyl Alcohol (Ethanol, Grain Alcohol)	C	A	A	A
Ethyl Amyl Ketone (EAK, 5-Methyl-3-Heptanone)	NS	NS	C	C
Ethyl Bromide (Bromoethane)	A	A	A	A
Ethyl Butanol (2-Ethylbutyl Alcohol)	C	C	A	A
Ethyl Butyl Ketone (3-Heptanone)	NS	NS	C	C
Ethyl Chloride	A	A	A	A
Ethyl Dichlorosilane (Dichloroethylarsine)	---	---	---	---
Ethyl Dimethyl Propylamine	---	---	---	---
Ethyl Ether	NS	NS	NS	C
Ethyl Formate	A	A	A	A
Ethyl Hexaldehyde (2-Ethylhexanal)	---	---	---	---
Ethyl Hexanol	A	A	A	A
Ethyl Hexoic Acid	---	---	---	---
Ethyl Hitec 436 (Same as Petroleum Oil Additives)	---	---	---	---

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Ethyl Isopropyl Ketone	NS	NS	C	C
Ethyl Mercaptan (Ethanethiol)	C	C	A	A
Ethyl Methacrylate	---	---	---	---
Ethyl Methyl Ether	NS	C	C	C
Ethyl Morpholine (n-Ethylmorpholine)	---	---	---	---
Ethyl Nitrite	---	---	---	---
Ethyl Oxalate	A	A	A	A
Ethyl Phosphonothiodichloride	---	---	---	---
Ethyl Silicate (Tetraethyl Orthosilicate)	A	A	A	A
Ethyl Trichlorosilane	---	---	---	---
Ethyl Toluidine	---	---	---	---
Ethylaluminum Sesquichloride (EASC)	---	---	---	---
Ethylamine, Anhydrous (Monoethylamine)	NS	NS	NS	C
Ethylamine, Aqueous (Aqueous Monoethylamine)	NS	NS	NS	C
Ethylaniline (n-Ethylaniline)	---	---	---	---
Ethylbenzene (Phenylethane)	A	A	A	A
Ethylene	A	A	A	A
Ethylene Benzene	C	A	A	A
Ethylene Chlorobromide	---	---	---	---
Ethylene Chlorohydrin (2-Chloroethyl Alcohol)	A	A	A	A
Ethylene Dibromide (EDB, 1,2-Dibromoethane)	C	A	A	A
Ethylene Dichloride (1,2-Ethylene Dichloride)	A	A	A	A
Ethylene Glycol (1,2-Ethanediol)	A	A	A	A
Ethylene Glycol Monobutyl Ether Acetate	---	---	---	---
Ethylene Oxide (Oxirane)	NS	NS	NS	NS
Ethylene Vinyl Acetate Copolymer	---	---	---	---
Ethylenediamine (1,2-Diaminoethane)	NS	NS	NS	C
2-Ethylhexanol	A	A	A	A
2-Ethylhexoic Acid (Butylethylacetic Acid)	---	---	---	---
2-Ethylhexyl Acrylate	---	---	---	---
Ethylidene Norbornene (ENB)	---	---	---	---
Fatty Acid	A	A	A	A
Fatty Acid Esters of Coconut Oil	C	C	A	A
Fatty Alcohol	C	C	C	C
Fatty Alcohol, C10-12	C	C	C	C

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Fatty Alcohol, C12-14	C	C	C	C
Fatty Alcohol, C14-C18	C	C	C	C
Fatty Amine	NS	NS	C	C
Ferric Chloride	A	A	A	A
Ferric Chloride Solution	A	A	A	A
Ferrous Chloride Solution	A	A	A	A
Ferrous Sulfate Solution	A	A	A	A
Fertilizer Ammoniation Solution with free Ammonia	C	C	C	C
Fish Oil	A	A	A	A
Fish Soluables	A	A	A	A
Fluorophosphoric Acid	---	---	---	---
Fluorosulfonic Acid	---	---	---	---
Foots (soapstock)	---	---	---	---
Formaldehyde	NS	NS	NS	C
Formaldehyde Solution	NS	NS	NS	C
Formamide	---	---	---	---
Formic Acid	NS	NS	NS	C
Freon	C	C	C	C
Freon 11 (Trichlorofluoromethane)	C	C	C	---
Freon 114 (Dichlorotetrafluoroethane)	C	C	C	C
Freon 12 (Dichlorodifluoromethane)	C	C	C	---
Freon 141-B (Dichlorofluoroethane)	C	C	C	---
Freon 22 (Chlorodifluoromethane)	NS	NS	NS	---
Fuel Oil	A	A	A	A
Fuel Oil (No. 3, 4, 5, 6, & heavy)	---	---	---	---
Fumaric Acid Solution	A	A	A	A
Furfural	NS	NS	NS	C
Furfuryl Alcohol	C	A	A	A
Gasoline	A	A	A	A
Gasoline Fuel Additives	C	C	C	C
General Service	---	---	---	---
Gluconic Acid Solution	NS	NS	NS	C
Glucose	A	A	A	A
Glue	A	A	A	A
Glutaraldehyde	---	---	---	---
Glycerides, Mono & Di	---	---	---	---
Glycerin	C	A	A	A

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Glycol	---	---	---	---
Glycol Ethers	---	---	---	---
Glycolonitrile Solution	---	---	---	---
Glyoxal Solution	---	---	---	---
Halon 1011 (Bromochloromethane)	---	---	---	---
Helium	A	A	A	A
Heptane	A	A	A	A
Heptanoic Acid	A	A	A	A
3-Heptanol	A	A	A	A
Hexachlorocyclopentadiene	---	---	---	---
Hexadecyldimethylamine	---	---	---	---
Hexadecyltrichlorosilane	---	---	---	---
Hexamethylene Diamine	NS	NS	NS	C
Hexane	A	A	A	A
n-Hexane	A	A	A	A
Hexanol	A	A	A	A
Hexene (n-Hexene)	A	A	A	A
Hexyl Alcohol	A	A	A	A
Hexylene Glycol	A	A	A	A
Hexyltrichlorosilane	---	---	---	---
hexynol	---	---	---	---
Hydrazine	NS	NS	NS	C
Hydrazine (Aqueous Solution)	NS	NS	NS	C
Hydroabietyl Alcohol	---	---	---	---
Hydrobromic Acid	A	A	A	A
Hydrocarbon Gas	C	C	C	C
Hydrochloric Acid	C	A	A	A
Hydrocyanic Acid (Hydrogen Cyanide)	A	A	A	A
Hydrofluoric Acid, Aqueous	NS	NS	NS	C
Hydrofluoric Acid (60-80%)	NS	NS	NS	C
Hydrofluoric Acid Anhydrous	NS	NS	NS	C
Hydrofluoric Acid, Anhydrous (Hydrogen Fluoride)	NS	NS	NS	C
Hydrofluosilicic Acid Solution	A	A	A	A
Hydrofluosilicic Acid	A	A	A	A
Hydrogen	C	C	C	C
Hydrogen Chloride	C	A	A	A
Hydrogen Chloride (HCl, Anhydrous)	C	A	A	A

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Hydrogen Fluoride Anhydrous	NS	NS	NS	C
Hydrogen Peroxide Solution	A	A	A	A
Hydrogen Peroxide	C	A	A	A
Hydrogen Sulfide	NS	NS	C	C
Hydroxyacetic Acid Solution	---	---	---	---
Hydroxyethyl Piperazine	---	---	---	---
Hydroxylamine	---	---	---	---
Ink	C	C	C	C
Isoamyl Acetate	NS	NS	NS	C
Isoamyl Alcohol	A	A	A	A
Isoamylene	---	---	---	---
Isobutane (Butane)	A	A	A	A
Isobutanol	A	A	A	A
Isobutene (Isobutylene)	A	A	A	A
Isobutyl Acetate	NS	NS	NS	C
Isobutyl Acrylate	NS	NS	NS	C
Isobutyl Alcohol	A	A	A	A
Isobutylamine	NS	NS	C	C
Isobutyl Isobutyrate	A	A	A	A
Isobutyl Methacrylate	---	---	---	---
Isobutylene (Isobutene, 2-Methylpropene)	A	A	A	A
Isobutyraldehyde	NS	NS	NS	C
Isobutyric Acid	NS	NS	C	C
Isobutyronitrile	---	---	---	---
Isocyanate	---	---	---	---
Isodecanol	C	A	A	A
Isodecanol Mixed Isomers	C	A	A	A
Isononanoic Acid	---	---	---	---
Isononyl Alcohol	---	---	---	---
Isooctyl Ester 2,4-D,	---	---	---	---
Isooctyl Isodecyl Phthalate	---	---	---	---
Isopentane	A	A	A	A
Isophorone	NS	NS	NS	NS
Isoprene	---	---	---	---
Isopropanol	A	A	A	A
Isopropanolamine	NS	NS	NS	C
Isopropyl Acetate	NS	NS	NS	C
Isopropyl Amine (Isopropanol Amine)	NS	NS	NS	C

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Isopropyl Aniline	---	---	---	---
Isopropyl Benzene	NS	C	A	A
Isopropyl Cellosolve	---	---	---	---
Isopropyl Ether	NS	NS	NS	C
Isopropyl Mercaptan	---	---	---	---
Isoquinoline	---	---	---	---
Jet Fuel	A	A	A	A
Kerosene	A	A	A	A
Kvna Sulfonic Acid/Heptane Solution	---	---	---	---
Lacquer Thinner (Solvent)	NS	NS	NS	C
Lacquers, Nitrocellulose	NS	NS	NS	C
Lactic Acid	A	A	A	A
Lanolin	---	---	---	---
Latex	---	---	---	---
Lauric Acid	A	A	A	A
Lauryl Methacrylate	---	---	---	---
Lead Arsenate	---	---	---	---
Lead Arsenite	---	---	---	---
Light Fuel Oil	A	A	A	A
Lignin Liquor	---	---	---	---
Lignin Sulfonate	---	---	---	---
Limestone Slurry	A	A	A	A
Linseed Oil	A	A	A	A
Liquefied Petroleum Gas (LPG)	A	A	A	C
Liquid Corn Oil	A	A	A	A
Liquid Sugar	C	A	A	A
l-Lysine Monohydrochloride Liquid	---	---	---	---
LPG (Not Propylene or Butadiene)	C	C	C	C
Lube Oil	A	A	A	A
Lube Oil Additives	C	A	A	A
Lubricating Oil	A	A	A	A
Lubricating Oil Additives	C	A	A	A
Lysine (monohydrochloride)	---	---	---	---
Magnesium Calcium Brine	---	---	---	---
Magnesium Chloride	A	A	A	A
Magnesium Hydroxide (Milk of Magnesia)	A	A	A	A
Magnesium Hydroxide Solution	C	A	A	A
Magnesium Perchlorate Solution	---	---	---	---

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Magnesium Sulfonate	---	---	---	---
Maleic Acid	A	A	A	A
Maleic Anhydride	NS	NS	NS	C
Manganese Sulfate Solution	A	A	A	A
Melamine Formaldehyde	---	---	---	---
p-Menthane Hydroperoxide	---	---	---	---
Mesityl Oxide	NS	NS	NS	NS
Methacrylic Acid	---	---	---	---
Methane	A	A	A	A
Methanol	NS	C	A	A
Methoxydihydropyran	---	---	---	---
Methyl Acetate	NS	NS	NS	C
Methyl Aceto Acetate	NS	NS	NS	C
Methyl Acetone	NS	NS	NS	C
Methyl Acrylate	NS	NS	NS	C
Methyl Alcohol (Methanol)	NS	C	A	A
Methyl Aluminum Sesquichloride	---	---	---	---
Methyl Amyl Acetate	NS	NS	NS	C
Methyl Amyl Alcohol (Methyl Isobutyl Carbinol)	NS	NS	C	A
Methyl Amyl Ketone	NS	NS	C	C
Methyl Bromide (Bromomethane)	A	A	A	A
Methyl Butene	---	---	---	---
Methyl butyl Ketone	NS	NS	NS	C
Methyl Butynol	---	---	---	---
Methyl 'Cellosolve' (Ethylene glycol monomethyl ether)	NS	NS	NS	C
Methyl Chloride (Chloromethane)	C	C	A	A
Methyl chloroformate	C	A	A	A
Methyl Cresol	---	---	---	---
Methyl Cyclohexylamine	---	---	---	---
Methyl Dichlorosilane	---	---	---	---
Methyl Diisocyanate	---	---	---	---
Methyl Diphenyl Diisocyanate (MDI)	---	---	---	---
Methyl Ester	---	---	---	---
Methyl Ethyl Ketone	NS	NS	NS	C
Methyl Ethyl Pyridine	---	---	---	---
n-Methyl Glucamine Aqueous Solution	---	---	---	---

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n-Methyl Glucamine	---	---	---	---
Methyl Isoamyl Ketone	NS	NS	NS	C
Methyl Isobutyl Ketone (MIBK)	NS	NS	NS	C
Methyl Isocyanate	NS	NS	C	C
Methyl Isopropenyl Ketone	NS	NS	NS	C
Methyl Mercaptan (Methanethiol)	NS	NS	A	A
Methyl Methacrylate	NS	NS	NS	C
Methyl Methacrylate Monomer	NS	NS	NS	C
Methyl Naphthyl Ketone	NS	NS	NS	C
Methyl Oleate	C	A	A	A
Methyl Parathion Insecticide	---	---	---	---
Methyl Pentamethylene Diamine	---	---	---	---
3-Methyl Piperidine	---	---	---	---
Methyl Propyl Carbinol	---	---	---	---
Methyl Styrene (Vinyl Toluene)	---	---	---	---
Methyl Tert. Butyl Ether (MTBE)	NS	NS	NS	C
Methyl Trichlorosilane	---	---	---	---
Methyl Vinylpyridine	---	---	---	---
Methylaluminum Sesquibromide	---	---	---	---
Methylamine, Anhydrous	NS	NS	NS	C
Methylamine, Aqueous	NS	NS	NS	C
Methylaniline	---	---	---	---
Methylcyclohexanol	---	---	---	---
Methyldiethanolamine	---	---	---	---
Methylene Bromide	C	C	A	A
Methylene Chloride	C	A	A	A
Methylene Diisocyanate	---	---	---	---
Methylene Diphenyldiisocyanate (MDI)	---	---	---	---
n-Methylformamide	---	---	---	---
Methylglutaronitrile	---	---	---	---
3-Methylmercaptopropanal	---	---	---	---
Methylnaphthalene	---	---	---	---
Methylpyrrolidone (n-Methyl-2-Pyrrolidone)	---	---	---	---
2-Methylthiopropionaldehyde Oxime	---	---	---	---
Mineral Oil	A	A	A	A
Mineral Spirit	---	---	---	---
Mixed C4 Hydrocarbons	C	A	A	A
Molasses	A	A	A	A
Molten Sulfur	A	A	A	A

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GRI/DURLON® Identa-Seal™ Chemical Resistance Chart



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	GRI-A ^{1, 5}	GRI-B ^{2, 5}	GRI-GF-S ^{3, 5}	GRI-ETP ⁴
Monochlorodifluoroethane	---	---	---	---
Monochlorodifluoromethane (R-22)	---	---	---	---
Monochlorothetrafluoroethane	---	---	---	---
Monoethanolamine	NS	NS	NS	C
Monomethyl Ether (Methyl Carbitol)	NS	NS	NS	C
Monomethylamine	NS	NS	NS	C
Monosodium Acid Methanearsonate	---	---	---	---
Monosodium Methylarsonate Solution	---	---	---	---
Morea Pre-Mix	---	---	---	---
Morpholine	---	---	---	---
Motor Fuel Antiknock Comp.	---	---	---	---
Myristic Acid	A	A	A	A
N-Methyltaurine	---	---	---	---
Naphtha	A	A	A	A
naphtha, Coal-Tar	A	A	A	A
Naphtha, Petroleum	A	A	A	A
Naphthalene	A	A	A	A
Naphthalene Disulfonic Acid	---	---	---	---
Naphthenic Acid	A	A	A	A
Naphthol	---	---	---	---
Natural Latex	---	---	---	---
Natural Gas Liquids	C	C	C	C
Neatsfoot Oil	A	A	A	A
Neodecanoic Acid	---	---	---	---
Neohexane	---	---	---	---
Neooctanoic Acid	---	---	---	---
Neopentanoic Acid (Pivalic Acid, Trimethylacetic Acid)	---	---	---	---
Neopentyl Glycol	---	---	---	---
Nitric Acid	NS	NS	A	A
Nitrilotriacetic Acid	---	---	---	---
NITROANILINE	---	---	---	---
Nitroanilines	---	---	---	---
o-Nitroaniline	---	---	---	---
Nitrobenzene	NS	NS	A	A
Nitrochlorobenzene (chloronitrobenzene)	---	---	---	---
ortho-Nitrochlorobenzene	---	---	---	---
para -Nitrochlorobenzene	---	---	---	---

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Nitrocresol	---	---	---	---
Nitroethane	NS	NS	NS	NS
Nitrogen	C	C	C	C
Nitrogen Fertilizer Solution (< 40 psia)	C	C	C	C
Nitrogen Dioxide	NS	NS	NS	C
Nitrogen Fertilizer Solution	C	C	C	C
Nitrogen Solution, 19%	---	---	---	---
para -Nitrophenetole	---	---	---	---
para -Nitrophenol Solution	---	---	---	---
2-Nitropropane	NS	NS	NS	NS
ortho-Nitrotoluene	N	N	NS	C
ortho-Nitroxylol	---	---	---	---
Nonene	---	---	---	---
t-Nonyl Mercaptan	---	---	---	---
para-Nonyl Phenol	---	---	---	---
Nonylene	---	---	---	---
Nonylphenol	---	---	---	---
Octadecene	---	---	---	---
Octadecyltrichlorosilane	---	---	---	---
Octane	A	A	A	A
Octanoic Acid	---	---	---	---
Octene	---	---	---	---
Octyl Alcohol	A	A	A	A
tert-Octylamine	---	---	---	---
Octyl Decyl Phthalage	---	---	---	---
Octyl Phenol	---	---	---	---
Octyl Trichlorosilane	---	---	---	---
Olefins	A	A	A	A
Oleic Acid	C	C	A	A
Oleum	C	A	A	A
Orange Juice	A	A	A	A
Oxygen	NS	NS	NS	NS
Oxygen Gas	C	C	A	A
Palmitic Acid	A	A	A	A
Paraffin Oil	C	A	A	A
Paraffin Wax	A	A	A	A
Paraldehyde	NS	NS	NS	NS

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Paranitrophenetole	---	---	---	---
Parathion	---	---	---	---
Pelargonic Acid	---	---	---	---
Penta Erythritol Slurry	---	---	---	---
Pentachloroethane	C	A	A	A
Pentachlorophenol (solution)	C	A	A	A
Pentaerythritol Solution	---	---	---	---
Pentane	A	A	A	A
Pentene	---	---	---	---
2-Pentenenitrile	---	---	---	---
Perchloroethylene	A	A	A	A
Perchloroethane	---	---	---	---
Petrolatum	A	A	A	A
Petroleum Oils*	C	C	C	C
Petroleum Gas Oil*	C	C	C	C
Petroleum Oil Additive*	C	C	C	C
p-Phenetidine	---	---	---	---
Phenol	A	A	A	A
Phenol-Formaldehyde (Phenolic resin)	---	---	---	---
Phenolic Resin	---	---	---	---
Phenosulfonic Acid	A	A	A	A
Phenyl Mercaptan	---	---	---	---
Phenyl Methyl Ketone	---	---	---	---
Phenylacetaldehyde	---	---	---	---
para-Phenylene Diamines	---	---	---	---
Phenylethyl Alcohol	---	---	---	---
ortho-Phenylphenol	---	---	---	---
Phenyltrichlorosilane	---	---	---	---
Phosgene (carbonyl chloride)	NS	NS	NS	NS
n-Propyl Mercaptan	---	---	---	---
Phosphatic Fertilizer Solution	C	C	C	C
Phospholeum (Super Phos Acid)	---	---	---	---
Phosphoric Acid	A	A	A	A
Phosphorus	---	---	---	---
Phosphorus, White or Yellow	---	---	---	---
Phosphorus Chlorides	A	A	A	A
Phosphorus Oxychloride	---	---	---	---
Phosphorus Pentachloride	---	---	---	---

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Phosphorus Trichloride	A	A	A	A
Phthalate Esters, Mixed	C	C	C	C
Phthalic Anhydride	NS	NS	NS	NS
Picoline	---	---	---	---
Pine Oil	A	A	A	A
Pinene	A	A	A	A
Piperazine	---	---	---	---
Piperylene	---	---	---	---
Piperylene Concentrate	---	---	---	---
Pitch	C	A	A	A
Pivalic Acid (Neopentanoic Acid, Trimethylacetic Acid)	---	---	---	---
Plastic, Liquid	---	---	---	---
Polyalphaolefin	---	---	---	---
Polyaluminum Hydroxychloride	---	---	---	---
Polyamine H	---	---	---	---
Polybutene	---	---	---	---
Polycaprolactam Waste Water	---	---	---	---
Polychlorinated Biphenyl	---	---	---	---
Polyester Resin	---	---	---	---
Polyester Resin Solution in Styrene	---	---	---	---
Polyether Triol	---	---	---	---
Polyethyl Benzene	---	---	---	---
Polyethylene Glycol	A	A	A	A
Polyglycerol	---	---	---	---
Polyglycol	---	---	---	---
Polyisobutylene Amine	---	---	---	---
Polyisocyanates	---	---	---	---
Polyols	---	---	---	---
Polyoxybutylene Chloroformate	---	---	---	---
Polyoxyethylene Ether	---	---	---	---
Polypropylene, Amorphous	---	---	---	---
Polypropylene Glycol	---	---	---	---
Polystyrene	---	---	---	---
Polyvinyl Acetate Solution	---	---	---	---
Polyvinyl Chloride Emulsion	---	---	---	---
Polyvinyl Methyl Ether	---	---	---	---
Positek 8617 Paper Making Aid	---	---	---	---

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Potash	---	---	---	---
Potash Alum Solution	---	---	---	---
Potassium Carbonate Solution	C	A	A	A
Potassium Cyanide Solution	A	A	A	A
Potassium Ferrocyanide Solution	C	A	A	A
Potassium Fluoride Solution	A	A	A	A
Potassium Hydroxide	NS	NS	NS	A
Potassium Phenylacetate Solution	---	---	---	---
Potassium Phosphate Solution	---	---	---	---
Potassium Resinate	---	---	---	---
Potassium Silicate Solution	A	A	A	A
Propane	A	A	A	A
Propane Butane Mix	A	A	A	A
Propanoic Acid (Propionic Acid)	NS	NS	C	A
Propargyl Alcohol	---	---	---	---
beta-Propiolactone	---	---	---	---
Propionaldehyde	NS	NS	NS	NS
Propionic Acid	NS	NS	C	C
Propyl Acetate	NS	NS	NS	NS
Propyl Alcohol	A	A	A	A
Propyl Mercaptan	---	---	---	---
Propylamine	NS	NS	NS	NS
Propylene	A	A	A	A
Propylene (Propene)	A	A	A	A
Propylene Dichloride	C	A	A	A
1,2-Propylene Glycol	A	A	A	A
Propylene Glycol Monomethylether	---	---	---	---
Propylene Glycol Monomethyl Ether	---	---	---	---
Propylene Oxide	NS	NS	NS	NS
Propyltrichlorosilane	---	---	---	---
Pyridine	NS	NS	NS	NS
Pyroxylin Solution	---	---	---	---
Quinoline	A	A	A	A
Rapeseed Oil	A	A	A	A
Refrigerant Gases	C	C	C	C
Resins	---	---	---	---
Resorcinol Formaldehyde Resin, Liquid	---	---	---	---
Rosin	A	A	A	A

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Rosin Oil	---	---	---	---
Rosin Solution	---	---	---	---
Rosin Esther	---	---	---	---
Rubber Solvent*	NS	NS	C	C
Rubber Extender Oil	C	C	C	C
Safflower Oil	A	A	A	A
Salicylaldehyde	---	---	---	---
5-Ethyl-n-Cyclohexyl-n-Ethylthiocarbamate	---	---	---	---
Sevin (1-Naphthyl Methyl Carbamate)	---	---	---	---
Silicon Tetrachloride	---	---	---	---
Silicone Oil	A	A	A	A
Sizing	---	---	---	---
Soap Solutions (skimmings)	A	A	A	A
Soapstock (Same as Detergents)	A	A	A	A
Sodium	NS	NS	NS	NS
Sodium Aluminate	C	A	A	A
Sodium Benzothiazole	---	---	---	---
Sodium Bichromate	---	---	---	---
Sodium Bisulfate Solution	A	A	A	A
Sodium Bisulfide (Hydrosulfide)	A	A	A	A
Sodium Bisulfite Solution	A	A	A	A
Sodium Bromide	C	A	A	A
Sodium Carbonate (solution)	A	A	A	A
Sodium Chlorate (solution)	C	A	A	A
Sodium Chloride	A	A	A	A
Sodium Cresylate (solution)	---	---	---	---
Sodium Cyanide (solution)	A	A	A	A
Sodium Dibutyldithiocarbamate	---	---	---	---
Sodium Dichromate (solution)	C	A	A	A
Sodium Diethylenetriamine Pentaacetate	---	---	---	---
Sodium Dimethyl Dithiocarbamate	---	---	---	---
Sodium Ferrocyanide Solution	A	A	A	A
Sodium Formate	---	---	---	---
Sodium Formate Solution	---	---	---	---
Sodium Hydrosulfide	C	A	A	A
Sodium Hydroxide (solution)	C	A	A	A
Sodium Hypochlorite Solution	A	A	A	A
Sodium Isocyanates	---	---	---	---

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Sodium Lauryl Sulfate	---	---	---	---
Sodium Lignosulfonate	---	---	---	---
Sodium Mercaptobenzothiazole (MBT)	---	---	---	---
Sodium Methlyate	---	---	---	---
Sodium n-Methylidithio Carbamate Solution (Metam Sodium)	---	---	---	---
Sodium Nitrate Liquor	---	---	---	---
Sodium Nitrate (solution)	A	A	A	A
Sodium Phenate	---	---	---	---
Sodium Poly Acrylate	---	---	---	---
Sodium Silicate	A	A	A	A
Sodium Silicate Solution	A	A	A	A
Sodium Sulphydrate Solution	---	---	---	---
Sodium Sulfide	A	A	A	A
Sodium Sulfide Solution	A	A	A	A
Sodium Sulfite Solution	A	A	A	A
Sodium Sulfonate	---	---	---	---
Sodium Sulfonates	---	---	---	---
Sodium Toluene Sulfonate	---	---	---	---
Sodium-n-Lauroyl Sarcosinate	---	---	---	---
Solvents*	C	C	C	C
Sorbitol	C	A	A	A
Soy Bean Oil	A	A	A	A
Spearmint Oil	C	A	A	A
Spent Caustic	C	C	C	C
Spent Sulfuric Acid	C	C	C	C
Sperm Oil	C	A	A	A
Steam (350 Degrees Max.)	NS	NS	NS	NS
Stearic Acid	A	A	A	A
Stearyl Alcohol	C	C	A	A
Styrene	C	A	A	A
Styrene - Butadiene	---	---	---	---
Sucrose Acetate Isobutyrate	---	---	---	---
Sugar	A	A	A	A
Sugar Solution	A	A	A	A
Sulfate Turpentine	---	---	---	---
Sulfated Alcohol Ethoxylate	---	---	---	---
Sulfur	A	A	A	A

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Sulfur Chloride	A	A	A	A
Sulfur Dichloride	---	---	---	---
Sulfur Dioxide	C	C	A	A
Sulfur, Molten	A	A	A	A
Sulfur Trioxide	A	A	A	A
Sulfuric Acid	C	A	A	A
Sulfuryl Chloride	---	---	---	---
Sunflower Oil	C	A	A	A
Superphosphoric Acid	---	---	---	---
Tall Oil	---	---	---	---
Tall Oil Brine	---	---	---	---
Tall Oil Crude	---	---	---	---
Tall Oil Fatty Acid	---	---	---	---
Tall Oil Pitch	---	---	---	---
Tallow	A	A	A	A
Tallow/Coconut Type Fatty Acid Blends	---	---	---	---
Ortho-TDA	---	---	---	---
Terpene	---	---	---	---
Terpene Polychlorinates	---	---	---	---
tert-Butyl-m-Cresol	---	---	---	---
Tert-Dodecyl Mercaptan	---	---	---	---
Tetra Chloro Pyridine	---	---	---	---
Tetrachlorobenzene	---	---	---	---
1,1,2,2-Tetrachloroethane	A	A	A	A
1-Tetradecanol	---	---	---	---
Tetradecene	---	---	---	---
Tetraethyl Lead (TEL)	A	A	A	A
Tetraethylene Glycol	---	---	---	---
Tetraethylenepentamine	---	---	---	---
1,1,1,2-Tetrafluoroethane	---	---	---	---
Tetrahydro Benzaldehyde	---	---	---	---
Tetrahydrobenzaldehyde	---	---	---	---
Tetrahydrofuran (THF)	NS	NS	NS	NS
Tetrahydrofurfuryl Alcohol	NS	NS	NS	C
Tetrahydronaphthalene	C	A	A	A
Tetrapotassium Pyrophosphate (60%)	---	---	---	---
Tetrasodium EDTA (Sequestrene 38)	---	---	---	---
Therminol	---	---	---	---

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Thionyl Chloride	C	C	A	A
Thiophosphoryl Chloride	---	---	---	---
Tin Tetrachloride (Stannic Chloride)	---	---	---	---
Titanium	---	---	---	---
Titanium Dioxide (Slurry)	C	A	A	A
Titanium Tetrachloride	A	A	A	A
Toluene	C	A	A	A
Toluene Diamine	---	---	---	---
Toluene Diisocyanate (TDI)	NS	NS	NS	NS
Toluene/Xylene Mixture	C	C	A	A
ortho-Toluidine	NS	NS	NS	C
Tomato Paste	A	A	A	A
Toxaphene	---	---	---	---
Transformer Oil (petro or mineral base)	C	C	C	C
Transmission Fluid*	C	C	A	A
Triacetin	NS	NS	NS	C
Triallate Technical	---	---	---	---
Triazinyl Stilbene	---	---	---	---
Tributoxyethyl Phosphate	C	A	A	A
Tributylamine	NS	NS	NS	NS
Tributyl Phosphate	NS	NS	NS	NS
1,2,3 -Trichlorobenzene	C	C	A	A
1,2,4 -Trichlorobenzene	C	C	A	A
1,3,5 -Trichlorobenzene	C	C	A	A
1,1,1-TRICHLOROETHANE	A	A	A	A
Trichloroethylene	A	A	A	A
Trichloromonofluoromethane	C	C	C	---
Trichlorophenol	---	---	---	---
Trichlorosilane	---	---	---	---
Trichlorotrifluoroethane	---	---	---	---
Tricresyl Phosphate	A	A	A	A
Tridecyl Alcohol	---	---	---	---
Tridecylbenzene	---	---	---	---
Triethanolamine	NS	NS	NS	NS
Triethanolamine Lauryl Sulfate	---	---	---	---
Triethyl Citrate	---	---	---	---
Triethyl Phosphate	---	---	---	---
Triethylamine	NS	NS	NS	NS

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 3. GRI-GF-S products are from manufactured 100% virgin Viton® polymers containing 70% Fluorine from DuPont Performance Elastomers.
 4. GRI-ETP products are from manufactured 100% virgin Viton® Extreme polymer from DuPont Performance Elastomers.
 5. GRI-A, B and GF-S are available in white FDA compliant formulation.

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 NS = Not suitable
 --- = Insufficient data
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 It is recommended that testing of seal be done before use.

GRI/DURLON® Identa-Seal™ Chemical Resistance Chart



FLUID	IDENTA-SEAL™			
	GRI-A ^{1,5}	GRI-B ^{2,5}	GRI-GF-S ^{3,5}	GRI-ETP ⁴
Triethylene Glycol	C	A	A	A
Triethylene Glycol Dipelargonate	---	---	---	---
Triethylenetetramine	NS	NS	NS	NS
Triisobutylene	---	---	---	---
Triisopropanolamine	---	---	---	---
Trimethylchlorosilane	---	---	---	---
Trimethyl Pentanediol	---	---	---	---
Trimethyl Pentanediol Mono-Isobutyrate	---	---	---	---
Trimethyl Phosphate	---	---	---	---
Trimethyl Phosphite	---	---	---	---
Trimethylacetic Acid (Neopentanoic Acid, Pivalic Acid)	---	---	---	---
Trimethylamine, Anhydrous (TMA)	NS	NS	NS	NS
Trimethylamine, Aqueous	NS	NS	NS	NS
TRIMETHYLCHLOROSILANE	---	---	---	---
Trimethylol Propane	---	---	---	---
Triphenyl Phosphite	---	---	---	---
Tripropylene Glycol	---	---	---	---
Tris-2-chloroethyl Phosphite	---	---	---	---
Trisodium Nitrilotriacetate Solution	---	---	---	---
Tung Oil	A	A	A	A
Turpentine	C	A	A	A
Urea	---	---	---	---
Urea Ammonia	---	---	---	---
Urea Formaldehyde	---	---	---	---
Urea Formaldehyde Resin Liquid	---	---	---	---
Urea Solution	---	---	---	---
Urea/Ammonium Nitrate	---	---	---	---
n-Valeraldehyde	NS	NS	NS	NS
Valeric Acid	A	A	A	A
Vanillin Black Liquor	---	---	---	---
VCM	---	---	---	---
Vegetable Oil	A	A	A	A
Vinyl Acetate	NS	NS	NS	NS
Vinyl Acrylic Copolymer	---	---	---	---
Vinyl Bromide	---	---	---	---
Vinyl Butyl Ether	---	---	---	---
Vinyl Chloride (VCM)	C	A	A	A

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	GRI-A ^{1, 5}	GRI-B ^{2, 5}	GRI-GF-S ^{3, 5}	GRI-ETP ⁴
Vinyl Ether	---	---	---	---
Vinyl Ethyl Ether	---	---	---	---
Vinyl Fluoride	C	A	A	A
Vinyl Methyl Ether	---	---	---	---
Vinyl Propionate	---	---	---	---
Vinyl Resin	---	---	---	---
Vinyl Toluene (Methyl Styrene)	---	---	---	---
Vinyl Trichlorosilane	---	---	---	---
Vinylcyclohexene	---	---	---	---
Vinylidene Chloride	A	A	A	A
Vinylpyridine	---	---	---	---
Waste Derived Fuel	C	C	C	C
Waste Oil	C	C	C	C
Waste Water	C	A	A	A
Wax	C	A	A	A
Whiskey	A	A	A	A
White Mineral Oil	---	---	---	---
Wood Sugar Molasses	---	---	---	---
XUS 15643.00I Experimental Formulated Polyol	---	---	---	---
XUS 16111.00 Experimental Copolymer Polyol	---	---	---	---
Xylene	C	A	A	A
ortho-Xylene	C	A	A	A
meta-Xylene	C	A	A	A
para-Xylene	C	A	A	A
Xylidine	NS	NS	NS	NS
Zinc Chlorate Solution	---	---	---	---
Zinc Chloride Solution	A	A	A	A
Zinc Dimethyldithiocarbamate	---	---	---	---
Zinc Sulfate	A	A	A	A

Gasket Resources Inc. is a licensee of DuPont Dow Elastomers and provides o-rings, quad-rings, and gaskets fabricated from Genuine Viton® Elastomers.

This Chemical Resistance Chart supersedes and obsoletes all previously issued charts.

Please go to our website for additional chemical listings.

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GASKET RESOURCES INC.

Our Company

We are market-driven and technology-based, serving customers throughout the *world* with innovative fluid sealing products.

Our People

GRI regards people as its most important resource. We foster leadership, individual accountability, and teamwork. Our employees are professionals whose entrepreneurial behavior is result-oriented and guided by personal integrity. In return, our employees can count on opportunities for individual and professional development in an empowering working environment.

Our Sealing Products

Durlon® sealing products have the widest possible range of service applications, therefore, the number of different types of gaskets required to be inventoried can be greatly reduced. This impacts process safety because limiting the number of gasket styles reduces the chance of installing the wrong gasket in the wrong service.

For these reasons, more and more original equipment manufacturers and industrial consumers are specifying Durlon® gasket materials for their needs.

Durlon® products are used in virtually every industrialized corner of the world. Our gasket materials are manufactured to ISO 9001 quality standards and are subjected to continuous testing and rigid quality control. And, our cutting and fabrication facility is ISO 9002 certified. This ensures unvarying performance on the job.

Our state-of-the-art research and development facility is geared to meet the ever-changing demands required in today's variety of service conditions. Since their inception, DURLON® gasket materials have undergone many enhancements, each incorporating the latest technology to better meet the wide variety of industry's changing needs.

Gasket Resources Inc. recognizes that today more emphasis is being placed on fugitive emissions via the Clean Air Act in the U.S., and various regulations in other countries. Therefore one of our prime design objectives is to maximize the sealability of our gasket materials to meet fugitive emissions requirements.

INNOVATIVE DURLON® FABRICATION ADVANTAGES

Welded Durlon

Our innovative welding process enables GRI to manufacture large diameter gaskets with single piece construction.

- All of our 9000 series Filled PTFE products can be welded
- Gasket OD sizes 60" and above
- Cost Effective Alternative to Conventional Die Cutting
- Retains the same physical properties as a die cut gasket
- Conforms to FDA regulations

Lathe Cut Durlon

All Filled PTFE Durlon® products can be provided lathe cut

- Cost Effective alternative to conventional die cutting
- Eliminates Costly Center Waste
- Cost Effective Large Diameter Gaskets
- Small cross sectional parts that cannot be die cut

Gasket Cutting Division

While GRI's distributors all have cutting capabilities, Gasket Resources compliments our distributors with a modern, ISO 9002 certified, cutting facility and world class workmanship that can only come from experience. GRI is proud of our dedicated workforce that averages over 20 years of fabrication experience.

Our fabrication plant, located at our headquarters in Exton, PA, includes equipment not found at the most progressive fabrication facilities. These amenities include PTFE welding for large diameter gaskets over 60", Durlon® PTFE lathe cutting, computerized high speed die cutting equipment, all steel interchangeable ID/OD tooling for close tolerance ring gaskets and many more proprietary and innovative production related customer service assets.

If your Durlon® gasketing product is fabricated by Gasket Resources or our factory trained and dedicated distribution partners you are assured that you are receiving the very best value in the fluid sealing industry.



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