O-Ring Compatability Table

The recomendations shown in this table are based on data supplied by polymer manufacturers. These are general guidelines only, **end users must** conduct their own functional tests to determine the suitability of any compound for their particular application.

FLUID	NITRILE	SBR	EPDM	NEOPRENE	POLYACRYLATE	URETHANE	SILICONE	FLUOROELASTOMER
ACETALDEHYDE	U	U	R	U	U	U	R	U
ACETAMIDE	R	U	R	R	U	U	M	U
ACETIC ACID	M	M	R	R	U	U	R	U
ACETONE	U	M	R	M	U	U	M	U
ACETOPHENONE	U	U	R	U	U	U	U	U
ACETYLENE	R	R	R	R	X	X	R	R
AMMONIA	R	R	R	R	U	X	R	U
AMMONIUM HYDROXIDE	R	R	R	R	U	U	R	R
AMYL ACETATE	U	U	M	U	U	U	U	U
ANDEROL L-774	M	U	U	U	R	U	U	R
ANTIFREEZE	R	R	R	R	U	U	R	R
ANILINE	U	U	R	U	U	U	U	M
ANSUL ETHER	M	U	M	U	U	R	U	U
AROCLORS	M	U	R	U	U	X	M	R
ASKAREL	R	U	U	U	U	U	U	R
ASTM #1	R	U	U	R	R	R	R	R
ASTM #3	R	U	U	U	R	R	U	R
ASTM FUEL A	R	U	U	R	R	R	U	R
ASTM FUEL B	R	U	U	U	U	R	U	R
ASTM FUEL C	R	U	U	U	U	R	U	R
ASTM FUEL D	M	U	U	U	U	R	U	R
AUTO TRANSM FLUID	R	U	U	M	R	R	M	R
BEER	R	R	R	R	U	U	R	R
BENZALDEHYDE	U	U	R	U	U	U	U	U
BENZENE	U	U	U	U	U	U	U	R
BENZINE	R	U	U	R	R	R	U	R
BENZOIC ACID	U	U	U	U	U	U	U	R
BENZOPHENONE	U	U	R	X	U	U	U	R
BENZYL ALCOHOL	U	U	R	R	U	U	X	R
BLEACH	R	R	R	R	U	U	U	R
BORAX	R	R	R	U	R	R	R	R
BORIC ACID	R	R	R	R	U	R	R	R
BRAKE FLUID NON PETROL	U	R	R	R	U	U	R	U
BROMINE	U	U	U	U	U	U	U	R
BROMOBENZENE	U	U	U	U	U	U	U	R
BUNKER OIL	R	U	U	U	R	R	U	R
BUTANE	R	M	U	R	R	U	U	R
BUTTER	R	U	M	R	R	R	R	R
BUTYL ACETATE	U	U	U	U	U	U	U	U
BUTYL ALCOHOL	R	R	R	R	U	U	R	R
BUTYL AMINE	M	U	U	U	U	U	R	U
BUTYL CARBITOL	U	U	R	M	U	X	U	M
BUTYL CELLOSOLVE	M	U	R	M	U	U	X	U
BUTYRALDEHYDE	U	U	R	U	U	U	U	U

FLUID	NITRILE	SBR	EPDM	NEOPRENE	POLYACRYLATE	URETHANE	SILICONE	FLUOROELASTOMER
CARBITOL	R	R	R	R	U	U	R	R
CARBITOL ACETATE	U	U	U	U	U	U	U	R
CARBON DISULFIDE	U	U	U	U	U	X	U	R
CARBON TETRACHLORIDE	R	U	U	U	U	U	U	R
CARBONIC ACID	R	R	R	R	R	R	R	R
CASTOR OIL	R	R	R	R	R	R	R	R
CELLOSOLVE	U	R	U	U	U	U	U	U
CHASSIS GREASE	R	U	U	M	R	X	U	R
CHLORACETIC ACID	U	U	R	U	U	U	X	U
CHLORACETONE	U	U	R	M	X	X	U	R
CHLORODANE	R	U	U	M	X	X	U	R
CHLORINE	U	U	R	U	U	U	X	R
CHLOROBENZOL	U	U	U	U	U	U	U	R
CHLOROFORM	U	U	U	U	U	U	U	R
CHLOROSULFONIC ACID	U	U	U	U	U	U	U	U
CHROME PLATING SOLUTION	U	U	R	U	U	U	R	R
CHROMIC ACID	U	U	X	U	X	X	M	R
CITRIC ACID	R	R	R	R	X	X	R	R
COD LIVER OIL	R	U	U	R	R	U	R	R
COFFEE	R	R	R	R	U	U	R	R
CORN OIL	R	U	U	U	R	U	R	R
CREOSOTE	R	U	U	R	R	M	U	R
CREOSOTE OIL	R	U	U	M	X	X	M	R
CRESYLIC ACID	U	U	U	U	U	U	U	R
CRUDE OIL	R	U	U	U	R	X	U	R
CYCLOHEXANE	R	U	U	M	R	R	U	R
CYCLOHEXANOL	R	U	U	R	X	X	U	R
DECALIN	U	U	U	U	U	U	U	R
DENATURED ALCOHOL	R	R	R	R	U	U	R	R
DIACETONE	U	U	R	U	U	U	U	U
DIBUTYL AMINE	U	U	U	M	U	U	U	U
DIBUTYL PHTHALATE	U	U	R	U	U	X	X	M
DICHLORO ANILINE	U	U	U	U	U	U	U	M
DICHLORO BUTANE	R	U	U	U	U	U	U	R
DIESEL OIL	R	U	U	M	U	U	U	R
DIETHYLAMINE	R	R	R	R	U	M	R	U
DIETHYL BENZENE	M	U	U	U	X	X	X	R
DIETHYLENE GLYCOL	R	R	R	R	U	U	R	R
DIMETHYL ETHER	U	U	U	M	M	R	U	U
DIMETHYL FORMAMIDE	U	X	R	X	X	X	R	U
DIMETHYL PHTHALATE	U	U	R	U	U	X	X	R
DIMETHYL TEREPHTHALATE	U	U	U	U	U	U	U	R
DIOCTYL PHTHALATE	U	U	R	U	U	U	M	R
DIOXANE	U	U	R	U	U	U	U	U

FLUID	NITRILE	SBR	EPDM	NEOPRENE	POLYACRYLATE	URETHANE	SILICONE	FLUOROELASTOMER
DIPHENYL	U	U	U	U	U	U	U	R
DOW CORNING 550	R	R	R	R	R	R	R	R
DOW GARD	R	R	R	R	M	M	R	R
DOWTHERM A&E	U	U	U	U	U	U	U	R
ELCO 28	R	U	U	M	R	R	R	R
EPOXY RESINS	X	X	R	R	X	X	X	U
ETHANE	R	U	U	R	R	M	U	R
ETHANOL	R	R	R	R	U	R	R	R
ETHANOLAMINE	R	R	R	R	U	M	R	U
ETHYL ACETATE	U	U	R	U	U	U	R	U
ETHYL BENZENE	U	U	U	U	U	U	U	R
ETHYL CELLULOSE	R	R	R	R	U	R	R	U
ETHYL CHLORIDE	R	R	R	R	M	R	U	R
ETHYL ETHER	M	U	M	U	U	R	U	U
ETHYL FORMATE	U	U	R	R	X	X	X	R
ETHYL HEXANOL	M	R	R	R	X	X	X	R
ETHYL MERLAPTAN	U	U	X	M	X	X	M	R
ETHYLENE CHLORIDE	U	U	U	U	U	U	U	R
ETHYLENE OXIDE	U	U	R	U	U	U	U	U
FORMALDEHYDE	M	M	R	M	U	U	R	U
FORMIC ACID	M	R	R	R	X	X	M	U
FREON 12	R	R	R	R	X	R	U	R
FUEL OIL	R	U	U	R	R	U	U	R
FURAN	U	U	X	U	U	X	X	X
FURFURAL	U	U	R	U	U	X	U	U
FUFURYL ALCOHOL	U	U	R	U	U	U	U	X
FYRQUEL	U	U	R	U	U	U	R	R
GALLIC ACID	R	R	R	R	U	U	X	R
GASOLINE	R	U	U	U	U	R	U	R
GELATIN	R	R	R	R	U	U	R	R
GLUCOSE	R	R	R	R	X	U	R	R
CLYCERINE	R	R	R	R	U	U	R	R
HEPTANE	R	U	U	R	R	R	U	R
HEXALDEHYDE	U	U	R	R	X	X	R	U
HEXANE	R	U	U	R	R	R	U	R
HEXANOL	R	R	M	R	U	U	R	R
HOME HEATING OIL	R	U	U	M	R	R	R	R
HYDRAZINE	R	R	R	R	X	X	R	X
HYDROCHLORIC ACID	R	M	R	R	M	U	U	R
HYDROCYANIC ACID	R	R	R	R	U	X	M	R
HYDROGEN PEROXIDE	R	R	R	R	U	X	R	R
HYDROGEN SULFIDE	U	U	R	R	U	X	M	U
HYDROQUINONE	M	U	U	U	U	X	X	R
HYPOID GEAR LUBE	R	U	U	M	R	R	M	R

R = Recommended M = Marginal U = Unsatisfactory X = Insufficient Data

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FLUID	NITRILE	SBR	EPDM	NEOPRENE	POLYACRYLATE	URETHANE	SILICONE	FLUOROELASTOMER
IODINE	R	R	R	U	X	X	X	R
ISOCYANATE	X	X	X	X	X	X	X	R
ISO OCTANE	R	U	U	R	R	R	U	R
ISO PHORONE	U	U	R	U	U	U	U	U
ISOPAR	R	X	U	R	R	R	U	R
ISOPROPANOL	R	R	R	R	U	U	R	R
ISOPROPYL ACETATE	U	U	R	U	U	U	U	U
JP-4 (MIL-J-5624)	R	U	U	U	R	R	U	R
JP-5 (MIL-J-5624)	R	U	U	U	R	R	U	R
KEROSINE	R	U	U	R	R	R	U	R
LACTIC ACID	R	R	R	R	U	X	X	R
LACQUERS	U	U	U	U	U	U	U	U
LARD	R	U	R	R	R	R	R	R
LINOLEIC ACID	R	U	U	R	X	X	R	R
LINSEED OIL	R	U	M	M	R	X	R	R
LYE SOLUTIONS	R	R	R	R	U	U	R	R
MALATHION	R	U	U	X	X	X	U	R
MALEIC ACID	U	U	U	U	U	X	X	R
MERCURY	R	R	R	R	X	X	X	R
METER-CRESOL	U	U	U	R	U	U	U	R
METHANE	R	U	U	R	R	M	U	R
METHANOL	R	R	R	R	U	U	R	U
METHYL ACETATE	U	U	R	R	U	U	U	U
METHACRYLIC ACID	U	U	R	R	U	U	U	M
METHYL CELLOSOLVE	M	U	R	M	U	U	U	U
METHYLENE CHLORIDE	U	U	U	U	U	U	U	R
METHYL ETHYL KETONE	U	U	R	U	U	U	U	U
METHYL MERCAPTAN	X	X	R	X	X	X	X	X
MILK	R	R	R	R	U	U	R	R
MINERAL OIL	R	U	M	R	R	R	R	R
MINERAL SPIRITS	R	U	U	U	R	R	U	R
MONOVINYL ACETYLENE	R	R	R	R	X	X	R	R
MUSTARD	X	R	R	X	X	X	R	R
NAPHTHA	R	U	U	U	R	R	U	R
NAPHTHALENE	U	U	U	U	X	X	U	R
NAPHTHENIC ACID	R	U	U	U	X	X	U	R
NATURAL GAS	R	R	U	R	R	R	R	R
NEATFOOT OIL	R	U	R	U	R	R	R	R
NITRIC ACID	U	M	R	U	U	U	U	M
NITROBENZENE	U	U	U	U	U	U	U	R
NITROPROPANE	U	U	R	U	U	U	U	U
OCTANE	R	U	U	U	U	U	U	R
OCTANOL	R	R	R	R	U	U	R	R
OLELC ACID	M	U	U	M	X	X	U	R

FLUID	NITRILE	SBR	EPDM	NEOPRENE	POLYACRYLATE	URETHANE	SILICONE	FLUOROELASTOMER
OLEUM	R	U	U	M	X	X	U	R
ORONITE 8200	R	U	U	R	X	R	U	R
OXALIC ACID	R	R	R	R	X	X	R	R
PEANUT OIL	R	U	M	M	R	X	R	R
PENTANE	R	M	U	R	R	U	U	R
PERCHLORETHYLENE	R	U	U	U	U	U	U	R
PETROLEUM ETHER	U	U	U	U	U	U	U	R
PHENOL	U	U	U	U	U	U	U	R
PHENYLHYDRAZINE	U	M	U	U	U	X	X	R
PHOSPHORIC ACID	R	R	R	R	M	U	R	R
PINE OIL	R	U	U	U	X	X	U	R
POTASSIUM HYDROXIDE	R	R	R	R	U	U	M	U
PROPANE	R	U	U	R	R	M	U	R
PROPANOL	R	R	R	R	U	U	R	R
PROPYL ACETATE	U	U	R	U	U	U	U	U
PYDRAUL	U	U	R	U	U	U	U	R
PYRANOL	R	U	U	R	R	R	U	R
PYRIDINE	U	R	U	U	U	X	U	U
RAPESEED OIL	R	U	R	R	R	R	U	R
RESURCINOL	X	R	R	X	X	X	X	X
SAE10W30	R	U	U	M	R	R	R	R
SEAWATER	R	R	R	R	U	U	R	X
SILICONE GREASE	R	R	R	R	R	R	R	R
SILVER NITRATE	R	R	R	R	R	R	R	R
SKELLY SOLVENT	R	U	U	U	X	X	X	R
SKYDROL	U	U	R	U	U	U	U	R
SKYDROL 500	U	U	R	U	U	U	U	U
SODIUM HYDROXIDE	R	R	R	R	U	R	R	R
SOVASOL	R	U	U	R	R	R	U	R
SOY BEAN OIL	R	U	M	M	R	X	R	R
STEARIC ACID	R	R	R	R	X	X	R	X
STODDARD SOLVENT	R	U	U	R	R	R	U	R
SUCROSE	R	R	R	R	U	U	R	R
SULFURIC ACID	R	R	R	R	R	U	U	R
TALL OIL	R	U	U	M	R	U	X	R
TANNIC ACID	R	R	R	R	U	X	R	R
TAR	R	U	U	M	U	X	R	R
TARTARIC ACID	R	R	R	R	X	X	R	R
TETRACHLORO ETHANE	U	U	U	U	U	U	U	R
TETRALLIN	U	U	U	U	U	U	U	R
TIDEWATER OIL	R	U	U	R	R	R	R	R
TOLUENE	U	U	U	U	U	U	U	R
TRICHLORO ETHYLENE	M	U	U	U	U	U	U	R
TRIETHANOL AMINE	M	R	R	R	U	U	X	U

FLUID	NITRILE	SBR	EPDM	NEOPRENE	POLYACRYLATE	URETHANE	SILICONE	FLUOROELASTOMER
TURBINE OIL	R	U	U	U	R	R	U	R
TURPENTINE	R	U	U	U	R	U	U	R
UCDN 50HB280X	R	R	R	R	X	X	R	R
UNLVIS J-43	R	U	U	R	R	R	U	R
VARNISH	R	U	U	U	U	M	U	R
VINEGAR	R	R	R	R	U	U	R	R
WATER	R	R	R	R	U	U	R	R
WHEAT GERM OIL	R	U	U	M	R	R	R	R
WHISKEY & WINE	R	R	R	R	U	U	R	R
WOOD OIL	R	U	U	R	X	M	U	R

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