



RIM MOLDED PRODUCTS CO.

Physical Property Data Sheet
for
RIM SEAL

Material; Microcellular Polyurethane Elastomer

Physical Properties;

. Hardness, Shore A, ASTM D-240	55
. Density, lb per cubic feet	35
. Tensile Strength, PSI, ASTM D-412	1200
. Elongation, %, ASTM D-412	400
. Tear Strength, PLI, ASTM D-412	40
. Temperature Resistance; Pending the Chemical Environments	-50 to 170 °F
. Ross Flex Test; ASTM D-1052, 100,000 Cycles at -40 °F	No Sign of Failure
. Compressive Strength, PSI, ASTM D-1056	18

CHEMICAL RESISTANCE DATA
OF
RIM SEAL

Chemicals	Ratings
Absolute Alcohol	B
Acetic Acid	C
Acetone	X
Acetyl Benzene	X
Acetyl Bromide	X
Acetylene	B
Adipic Acid	A
Aldehyde	X
Ammonia Anhydrous	B
Ammonia in Water	B
Ammonium Acetate	B
Ammonium Chloride	A
Ammonium Hydroxide	A
Ammonium Nitrate	A
Ammonium Sulfate	A
Aniline	X
Animal Fats, Oils, Grease	X
Aromatic Hydrocarbons	B
Asphalt	B
ASTM Fuel A	A
ASTM Fuel B	A
ASTM Fuel C	B
ASTM #1 Oil	A
ASTM #2 Oil	A
ASTM #3 Oil	B
Benzaldehyde	C
Benzene	B
Bunker C	A
Bunker Oil	A
Butane	A
Butyl Acetate	A
Carbon Dioxide	A
Carbon Disulfide	B
Carbon Monoxide	A
Carbon Tetrachloride	X
Caster Oil	A
Caustic Soda	A
Chromium Potassium Sulfate	A
Citric Acid	A
Cotton Seed Oil	A
Cyclohexane	A
Cyclohexanone	A
Detergent Solutions	A
Dibutyl Ether	A
Dibutyl Phthalate	C
Dichlorobenzene	C
Diesel Oil	A

CHEMICAL RESISTANCE DATA
OF
RIM SEAL

Chemicals	Ratings
Diethyl Ether	A
Dodecyl Mercaptan	B
Ether	B
Ethyl Acetate	C
Ethyl Alcohol	B
Ethyl Bromide	X
Ethylene Glycol	A
ESSO #90 Lube Oil	A
Formaldehyde	X
Freon(s)	B
Fuel Oil	A
Gasoline	A
Gasoline (w/ Benzene)	B
Gasoline (High Octane)	B
Glycerine	A
Glycerol	A
Glycol	B
Grease	B
Heptane	A
Hexane	A
Hydraulic Oil	A
Hydrocarbon Oil	A
Hydrogensulfide	B
Isooctane	B
Isopropyl Benzen	B
Isopropyl Ether	B
JP-4 Oil	B
JP-5 & 6 Oil	B
Kerosene	A
Linseed Oil	A
Lubricating Oil	B
Mercury	A
Methanol	B
Methyl t-Butyl Ether	A
Methyl Ethyl Ketone	X
Methylene Chloride	X
MIL-D-5606 Oil	B
MIL-D-7808	A
Mineral Oil	A
Mobile Artic Oil	A
Naphtha	B
Naphthalene	A
Natural Gas	A
Nitrobenzene	X
Oleic Acid	B
Olive Oil	A
Orthoboric Acid	A

CHEMICAL RESISTANCE DATA
OF
RIM SEAL

Chemicals	Ratings
Ozone	A
Palmitic Acid	A
Perchloric Acid	X
Perchloroethylene	C
Petroleum	B
Propane	A
Propylene Glycol	A
SAE #10 Oil	A
Silicic Acid	A
Skydrol Oil (500)	A
Soap	A
Sulfur Dioxide	B
Tartaric Acid	A
Toluene	B
Tricresyl Phosphate	C
Turpentine	B
Varnish	B
Vegetable Oils	A
Vinegar	B
Xylene	B

Notes:

- A-EXCELLENT
- B-GOOD
- C-FAIR/CONDITIONAL
- X-NOT RECOMMENDED

The above guidelines are based upon technical data and information believed to be accurate and reliable. No guarantee is made of their accuracy. However, due to unique environmental conditions and contaminations, this information are guides only.

For any other chemical application(s) not listed above, please give us a call for assistance.