

Sealing Materials

Table of Resistance

Media	Brass	NBR	EPDM	FKM	PTFE	Hypalon	TFEP	FFKM
Acetic Acid	3	3	4	3	1	1	-	1
Acetone	1	4	1	4	1	2	4	1
Acetylene	3	1	1	1	1	1	-	1
Acid Brine	4	1	1	1	1	-	-	-
Acrylnitril	1	4	4	3	1	4	-	1
Ammonia (dry)	4	2	1	4	1	1	1	1
Air	1	1	-	1	1	-	-	-
Aviation-Gasoline	1	1	4	1	1	-	-	-
Beer	2	1	1	1	1	1	-	1
Benzene	2	4	4	3	1	4	3	1
Borax	2	1	1	1	1	1	-	1
Bromine (dry)	3	4	4	3	1	3	-	1
Butane (gaseous)	1	2	4	1	1	1	-	1
Carbon Dioxide (dry)	1	1	2	1	1	1	-	1
Carbon Acid	2	4	2	1	1	4	-	-
Carbonic Acid	4	1	2	1	1	1	-	1
Castor Oil	1	1	3	1	1	1	1	1
Chloroform (dry)	2	4	4	1	1	1	4	1
Chrom Acid	4	4	4	1	1	1	-	-
Chlorine (dry)	4	4	2	2	1	1	-	1
Diesel Oil	1	1	4	1	1	2	4	1
Drill Oil	1	2	-	1	1	-	-	-
Emulsion Oil-Water	1	1	-	1	1	-	-	-
Fat Acid	4	2	4	1	1	2	-	1
Ferric Chloride	2	2	1	1	1	1	-	1
Fluor (dry)	4	4	4	2	1	1	-	2
Formic Acid	2	4	3	4	1	1	2	2
Formaldehyde	2	2	1	4	1	1	1	1
Gasoline	1	1	4	1	1	1	-	1
Glucose	1	1	1	1	1	1	-	1
Glycol	2	1	1	1	1	1	-	1
Glycerin	4	1	1	1	1	1	1	1
Heavy Fuel	2	4	4	3	1	2	-	-
Hydrogen Peroxide	2	4	3	2	1	1	-	1
Hydrochloric	4	4	1	2	1	1	2	1
Ink	3	1	1	1	1	1	-	-
Kerosene	3	1	4	1	1	1	1	1
Liquid Gas	1	3	-	1	1	-	-	-
Light Fuel	2	3	4	2	1	2	-	-
Lighting-Gas (w/o. Benzene)	1	2	-	1	1	-	-	-
Linseed Oil	2	1	4	1	1	1	-	1

Media	Brass	NBR	EPDM	FKM	PTFE	Hypalon	TFEP	FFKM
Lubricating Oil	2	1	4	1	1	3	-	1
Magnesium Hydroxide	3	1	1	1	1	1	-	1
Magnesium Sulfate	2	1	1	1	1	1	-	1
Methane	1	1	4	1	1	2	-	1
Mercury	4	1	1	1	1	1	-	1
Milk	-	1	3	1	1	1	-	1
Mineral Oil	1	1	4	1	1	4	-	1
Molasses	3	1	1	1	1	1	-	-
Naphata	2	1	4	1	1	1	-	1
Naphtalene	3	4	4	1	1	1	1	1
Nitric Acid	4	4	2	2	1	1	2	1
Nitrobenzen	4	4	4	2	1	1	1	1
Nitrogen	1	1	1	1	1	1	-	1
Olive Oil	2	1	4	1	1	2	1	-
Oil Acid	2	3	4	2	1	4	1	-
Oxygen	1	4	1	2	1	3	-	1
Paraffin	1	1	4	1	1	4	-	1
Pentan	1	1	4	1	1	-	-	-
Petroleum	1	1	4	1	1	2	-	1
Phosphor Acid (Cold)	4	2	2	1	1	1	1	1
Propylene	2	1	4	1	1	4	-	1
Potassium Chloride	2	1	1	1	1	1	1	1
Potassium Sulfate (watery)	2	1	1	1	1	1	-	1
Resin	1	3	-	3	1	-	-	-
Sodium Carbonate	3	1	1	1	1	1	-	1
Sodium Chloride	3	1	1	1	1	1	1	1
Sodium Nitrate	2	1	1	1	1	1	1	1
Sodium Sulfate	2	1	2	1	1	1	-	1
Sodium Sulfide	4	2	1	1	1	1	-	-
Sodium Hydroxide 2% cold	3	1	1	1	1	1	1	1
Steam (100°C)	1	4	1	4	1	1	1	1
Sulphuric Acid	3	4	4	1	1	1	1	1
Seawater	2	1	1	1	1	1	-	1
Tannic Acids	2	2	1	1	1	1	-	1
Tar and Tar Oil	3	4	4	2	1	4	-	1
Terpentine	2	2	4	1	1	1	3	1
Toluene	1	4	4	2	1	4	4	1
Tri-Per	1	4	-	1	1	-	-	-
Varnishes and Solvents	3	4	4	1/4	1	4	-/4	1
Vinegar	3	2	1	2	1	1	-	1
Water (Cold)	1	1	1	1	1	1	1	1
Xylole	1	4	4	1	1	2	3	1
Zinc Chloride	4	2	1	1	1	2	1	1
Zinc Sulfate	2	1	1	1	1	1	-	1

1 = high resistant 2 = resistant 3 = limited resistant 4 = non-resistant - = not tested yet