



Elastomer Comparison Chart

ELASTOMERS	NATURAL RUBBER	SBR	CHLOROPRENE	NBR	BUTYL	EPDM	POLYURETHANE	SILICONE	FLUORCARBON
PHYSICAL PROPERTIES									
TENSILE STRENGTH	1	2	2	2	2	2	1+	4	3
ELONGATION	2	2	1	2	1	2	1	1	3
COMPRESSION SET	2	2	2	2	3	3	1	1	1
RESILIENCE	1+	2	1	2	3	2	1	2	3
ELECTRICAL RESISTIVITY	1	1	3	4	1	1	2	1	2
MECHANICAL RESISTANCE									
TEAR	1	3	2	2	2	4	1	3	3
ABRASION	1	1	1	1	2	2	1	3	2
CUT GROWTH	1	2	2	2	1	2	2	3	3
TEMPERATURE RESISTANCE									
HEAT	2	2	2	2	1	1	2	1	1+
LOW TEMPERATURE	2	3	3	3	3	2	3	1	4
ENVIRONMENTAL RESISTANCE									
WATER	1	1	2	1	1	1	2	2	2
ACID	2	2	2	2	1	1	3	3	1
ALKALI	2	2	2	2	1	1	3	3	3
ALIPHATIC HYDROCARBONS	4	4	2	1	4	4	1	2	2
AROMATIC HYDROCARBONS	4	4	4	2	2	3	3	3	1
CHLORINATED SOLVENTS	4	4	4	4	4	4	2	3	3
KETONES	2	2	3	4	2	1	4	3	4
ALCOHOL	2	3	3	1	1	4	2	2	1
LUBRICATING OILS	4	4	2	1	4	4	2	4	2
SYNTHETIC OILS	3	4	4	2	3	3	4	3	2
HYDRAULIC OILS	4	3	2	3	3	2	4	4	2
FUELS	4	4	2	1	4	4	1	3	1
WEATHER	3	3	1	2	1	1	1	1	1
OXIDATION	2	2	2	2	1	2	1	1	1+
OZONE	4	4	1	4	1	1	1	1	1+