


SHEET RUBBER

RUBBER SELECTION CHART

 I.R.S.	Natural Rubber Polyisoprene	SBR styrene butadiene	Neoprene Polychloroprene	Nitrile NBR	EPDM Ethylene-propylene	Butyl Isobutylene isoprene	Viton® Fluro Elastomer	Silicone Polysiloxane	HYPALONE® Chlorosulphonated Polyethylene
Durometer (Shore A) hardness	25-100	40-90	30-90	40-100	40-90	40-80	65-90	40-80	50-90
Max Elongation (%)	650	600	600	550	600	650-G-F	300	700-G	500
Compression Set	E	G	G	G	G-E	F	G-E	P	F-G
Resilience	E	G	E	G	G	E	F	F	F
Gas Impermeability	G	F	G	G	G	G	E	E	E
Electrical Resistivity (Polymer)	E	E	F	F-P	E	E	G	E	G
Hi Temp Service (Max °C)	105	110	125	125	150	125	325	-105	125
Low Temp Service (Min °C)	-50	-50	-40	-50	-55	-45	-45	-45	-40
Impact Strength	E	E	G	F	G	G	G	G	G
Abrasion Resistance	E	E	E	E	G	F	G	G	E
Tear Resistance	E	F	G	G	F	G	G	G	G
Cut Growth	E	G	G	G	G	E	G	G	G
Bonding to Ridgid Materials	E	E	G-E	G-E	F	G	G	G	E
Weather - Sunlight and Aging	F-P	F-P	G	P	E	E	E	E	E
Oxidation	G	F	E	G	E	E	E	E	E
Ozone Cracking	N	N	E	F	E	E	E	E	E
Radiation	G	G	G	G	G	G	G	G	G
Water	E	E-G	G		E	E	E	E	G
Alkali Diluted / Concentrated	E/G	G/G	E/E	G/G	E/E	E/E	E/E	E/E	E/E
Acid Diluted / Concentrated	E/G	G/G	E/E	G/G	E/E	E/E	G/F	G/F	E/E
Aliphatic Hydrocarbons	N	N	F	E	N	N	E	E	F
Aromatic hydrocarbons	N	N	G	G-E	N	N	E	E	G
Halogenated Hydrocarbons	N	N	P	F-G	G	G	G	G	E
Alcohol	G-E	G	E	F-G	G	G	G	G	E
Animal and Vegetable oils/fats	F-G	F-G	G	G	G	G-E	E	E	G



I.R.S.
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RUBBER
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