

# Softex Industrial Products Pvt. Ltd.

## An ISO 9001:2000 certified company

COMPARATIVE PROPERTIES OF ELASTOMERS								
Elastomer	Gum/ Natural	Neoprene	Nitrile / Buna - N	Silicone	Viton/Flourel	E.P.D.M.	Chlorobutyle	Hypalon
<b>Chemical Name</b>	Poly Isoprene	Poly chloroprene	Butadiene Acrylo - Nitrile	Poly Siloxane	Fluorinated Hydrocarbon	Ethylene Propylene Di Amine	Chloro-Isobutylene Isoprene	Chloro Sulfonated Polyethylene
<b>Sp. Gr. Of basic polymer</b>	0.93	1.23	1	1.14-2.05	1.85	0.86	0.92	1.12-1.28
<b>Hardness - Range Shore A</b>	30- 90	40- 35	40 -95	40 - 85	55 - 95	40 - 90	40 - 75	40 - 95
<b>Max. Service Temperature</b>	85° C	105° C	115° C	240° C	205° C - 315° C	150° C	150° C	130° C
<b>Abrasion</b>	Excellent	Excellent	Good	Poor	Good	Good to Excellent	Good	Excellent
<b>Oil</b>	Poor to Good	Good	Very Good	Good to Excellent	Excellent	Good	Poor	Good
<b>Ozone</b>	Poor to Fair	Very Good Excellent	Fair	Excellent	Outstanding	Outstanding	Excellent	Outstanding
<b>Water</b>	Fair to Good	Fair	Fair to Good	Fair	Fair to Good	Excellent	Good	Fair
<b>Acid</b>	Good to Very Good	Good	Good	Fair	Excellent	Excellent	Good to Excellent	Very Good to Excellent
<b>Tear Strength</b>	Good to Very Good	Good	Fair	Poor	Fair	Fair to Good	Good	Fair
<b>Tensile Strength</b>	Excellent	Good	Good to Excellent	Poor	Good to Excellent	Good to Excellent	Good	Fair
<b>Compression Set</b>	Good	Fair to Good	Good	Fair	Fair to Good	Poor to Fair	Fair	Fair
<b>Adhesion to Fabric</b>	Excellent	Excellent	Good	Excellent	Good to	Good	Good	Good