

UNI TEX ENGINEERING MATERIAL SPECIFICATIONS

Base Polymer	Ultron	Natural Rubber	SBR	EPDM	Neoprene CR	Nitrile NBR	Viton FPM
Hardness Range (Shore A)	50 - 100°	30 - 95°	40 - 95°	30 - 85°	30 - 90°	40 - 100°	50 - 95°
Heat Resistance Max. Continuous Max. Intermittent	80°C 115°C	75°C 105°C	85°C 115°C	130°C 150°C	95°C 125°C	100°C 130°C	205°C 300°C
Low Temperature Resistance	-35°C	- 60°C	- 55°C	- 50°C	- 40°C	- 20°C	- 20°C
Resistance to Oxidation Ozone & Weathering	Excellent Excellent	Fair Poor	Fair Poor	Excellent Excellent	Very Good Very Good	Good Fair	Excellent Excellent
Oil Resistance ASTM oil No1 @ 20°C @ 100°C ASTM oil No3 @ 20°C @ 100°C	Excellent Good Good Fair	Poor N/A N/A N/A	Poor N/A N/A N/A	Fair N/A N/A N/A	Excellent Good Good Fair	Excellent Good Excellent Good	Excellent Excel * Excellent Excel *
Fuel resistance ASTM Fuel B @ 40°C	Fair	N/A	N/A	N/A	Poor	Fair	Excellent
Solvent Resistance Alcohol Acetone Benzene	Fair N/a N/a	Good Fair N/A	Good Fair N/A	Good Good N/A	Good Fair N/a	Good N/a N/a	Good N/a Good
Chemical Resistance Acids Bases	Very Good Very Good	Fair Good	Fair Good	Good Good	Good Fair	Good Fair	Excellent Good
Physical Strength	Excellent	Excellent	Good	Good	Good	Good	Poor
Compression Set	Good	Good	Good	Good	Fair to Good	Good	Good
Tear & Abrasion Resistance	Excellent	Excellent	Good	Good	Good	Good	Poor
Permeability to Gases	Low	Poor	Fairly Low	Fairly Low	Low	Low	Very Low
Electrical Strength	Excellent	Excellent	Excellent	Excellent	Good	Poor	Good
Flame Resistance		Poor	Poor	Poor	Self-extinguishing	Poor	Self-extinguishing
Water Resistance	Good	Very Good	Good	Excellent	Good	Good	Good
Resilience	Very Good	Excellent	Good	Very Good	Very Good	Good	Fair

Energy Control Products

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