

Teknor Apex Elexar® EL 3954-80 Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Notes: Elexar® is a family of styrene block copolymer thermoplastic elastomers, often referred to as thermoplastic rubber (TPR). Elexar® "rubber-like" compounds offer superior electrical properties coupled with excellent flexibility, toughness, and surface aesthetics. Elexar® compounds are specially designed for wire & cable, fiber optic, and electrical/electronics. Elexar® TPEs are excellent alternatives to thermoset rubber, TPU's, and flexible PVC. Application: Injection Molding Wire Types: SEOW FR; VW-1 Information Provided by Teknor Apex

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-Elexar-EL-3954-80-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	
Melt Flow	14.0 g/10 min @Load 5.00 kg, Temperature 200 °C	14.0 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	
Tensile Strength	6.89 MPa	1000 psi	
Elongation at Break	620 %	620 %	

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -60.0 °C	<= -76.0 °F	
UL RTI, Electrical	90.0 °C	194 °F	
	90.0 °C	194 °F	
Flammability, UL94	HB	HB	
Oxygen Index	18 %	18 %	

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