

Teknor Apex Laripur® LPR 9060EM Thermoplastic Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

Features: - Excellent performance under extreme and aggressive environments - Superior abrasion and cut resistance - Resistance to chemical, microbial attack and hydrolysis - Excellent flexibility at low temperatures - Good weathering properties - Non-halogen flame retardant - Low Gloss

Applications: - Energy & Power Cables: coiled or spiral: Construction / Mining - Automotive Cables: Anti-lock Braking Systems - ABS - Industrial Cables: Traffic / Signal / Trains / Boats / Buildings - Geophysical Cables: Land & Off-shore; Marine, Sub-sea & Umbilical - Telecommunications Cables: Telephone & Data Transmission; Military and Fiber Optics - Audio and Medical Cables

Information Provided by Teknor Apex

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-Laripur-LPR-9060EM-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	88	88	ASTM D2240
Tensile Strength	43.4 MPa	6300 psi	ASTM D412
Tensile Strength, Yield	5.72 MPa @Strain 50.0 %	830 psi @Strain 50.0 %	ASTM D412
	6.41 MPa @Strain 100 %	930 psi @Strain 100 %	ASTM D412
	12.4 MPa @Strain 300 %	1800 psi @Strain 300 %	ASTM D412
Elongation at Break	620 %	620 %	ASTM D412
Tear Strength	411 kN/m	2350 pli	ASTM D624

Thermal Properties	Metric	English	Comments
Vicat Softening Point	87.2 Â°C	189 Â°F	ASTM D1525
Flammability, UL94	V-2 @Thickness 6.00 mm	V-2 @Thickness 0.236 in	

Descriptive Properties	Value	Comments
Abrasion Loss (mm3)	30	DIN 53516

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