

Teknor Apex Laripur® LPR 9060EF 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 - Glossy/Transparent 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-9060EF-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	87	87	ASTM D2240
Tensile Strength	42.7 MPa	6200 psi	ASTM D412
Tensile Strength, Yield	4.90 MPa	710 psi	ASTM D412
	@Strain 50.0 %	@Strain 50.0 %	
	6.69 MPa	970 psi	
	@Strain 100 %	@Strain 100 %	ASTM D412
	15.2 MPa	2200 psi	ASTM D412
	@Strain 300 %	@Strain 300 %	
Elongation at Break	635 %	635 %	ASTM D412
Tear Strength	388 kN/m	2210 pli	ASTM D624

Thermal Properties	Metric	English	Comments
Vicat Softening Point	100 Â°C	212 Â°F	ASTM D1525
Flammability, UL94	V-2	V-2	@Thickness 0.0787 in
	@Thickness 2.00 mm	@Thickness 0.0787 in	
	V-0	V-0	@Thickness 0.236 in
	@Thickness 6.00 mm	@Thickness 0.236 in	

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

Descriptive Properties	Value	Comments
Abrasion Loss (mm3)	40	DIN 53516

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