

## Teknor Apex Laripur® LPR 9060HFM 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-9060HFM-Thermoplastic-Polyurethane.php](http://www.lookpolymers.com/polymer_Teknor-Apex-Laripur-LPR-9060HFM-Thermoplastic-Polyurethane.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	89	89	ASTM D2240
Tensile Strength	34.0 MPa	4930 psi	ASTM D412
Tensile Strength, Yield	7.412 MPa @Strain 50.0 %	1075 psi @Strain 50.0 %	ASTM D412
	9.687 MPa @Strain 100 %	1405 psi @Strain 100 %	ASTM D412
	13.00 MPa @Strain 300 %	1885 psi @Strain 300 %	ASTM D412
Elongation at Break	615 %	615 %	ASTM D412
Tear Strength	348 kN/m	1990 pli	ASTM D624

Thermal Properties	Metric	English	Comments
Vicat Softening Point	83.9 °C	183 °F	ASTM D1525
Flammability, UL94	V-0 @Thickness 1.00 mm	V-0 @Thickness 0.0394 in	
	V-0 @Thickness 2.00 mm	V-0 @Thickness 0.0787 in	

Thermal Properties	V-0 Metric	V-0 English	Comments
	@Thickness 6.00 mm	@Thickness 0.236 in	

Descriptive Properties	Value	Comments
Abrasion Loss (mm3)	50	DIN 53516

## Contact Songhan Plastic Technology Co.,Ltd.

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