

Teknor Apex Laripur® LPR 9060EG 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 - EEC Food Contact Approved - FDA Food Contact Approved - NSF 61 Portable Water Approved

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-9060EG-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.12 g/cc	1.12 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	86	86	ASTM D2240
Tensile Strength	48.3 MPa	7000 psi	ASTM D412
Tensile Strength, Yield	4.76 MPa	690 psi	ASTM D412
	@Strain 50.0 %	@Strain 50.0 %	
	6.41 MPa	930 psi	
	@Strain 100 %	@Strain 100 %	ASTM D412
	12.4 MPa	1800 psi	
	@Strain 300 %	@Strain 300 %	
Elongation at Break	650 %	650 %	ASTM D412
Tear Strength	371 kN/m	2120 pli	ASTM D624

Thermal Properties	Metric	English	Comments
Vicat Softening Point	80.0 Â°C	176 Â°F	ASTM D1525
Flammability, UL94	V-2	V-2	
	@Thickness 6.00 mm	@Thickness 0.236 in	

Optical Properties	Metric	English	Comments
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Transmission Visible Optical Properties	90 % Metric	90 % English	transparent; thickness not quantified Comments
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Descriptive Properties	Value	Comments
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Abrasion Loss (mm3)	35	DIN 53516
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Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China