

## Teknor Apex Laripur® LPR 5260EG 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 - USP Medical Class VI 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-5260EG-Thermoplastic-Polyurethane.php](http://www.lookpolymers.com/polymer_Teknor-Apex-Laripur-LPR-5260EG-Thermoplastic-Polyurethane.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.15 g/cc	1.15 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	95	95	ASTM D2240
Hardness, Shore D	50	50	ASTM D2240
Tensile Strength	55.2 MPa	8000 psi	ASTM D412
Tensile Strength, Yield	10.3 MPa @Strain 50.0 %	1500 psi @Strain 50.0 %	ASTM D412
	13.1 MPa @Strain 100 %	1900 psi @Strain 100 %	ASTM D412
	29.0 MPa @Strain 300 %	4200 psi @Strain 300 %	ASTM D412
Elongation at Break	530 %	530 %	ASTM D412
Tear Strength	628 kN/m	3580 pli	ASTM D624

Thermal Properties	Metric	English	Comments
Vicat Softening Point	120 Â°C	248 Â°F	ASTM D1525
Flammability, UL94	V-2 @Thickness 2.00 mm	V-2 @Thickness 0.0787 in	
	V-2	V-2	

Thermal Properties	Metric @ Thickness 6.00 mm	English @ Thickness 0.236 in	Comments
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Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

Descriptive Properties	Value	Comments
Abrasion Loss (mm <sup>3</sup> )	35	DIN 53516

## Contact Songhan Plastic Technology Co.,Ltd.

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