

## Teknor Apex Laripur® LPR 8860EG 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 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-8860EG-Thermoplastic-Polyurethane.php](http://www.lookpolymers.com/polymer_Teknor-Apex-Laripur-LPR-8860EG-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	40.0 MPa	5800 psi	ASTM D412
Tensile Strength, Yield	5.21 MPa @Strain 50.0 %	755 psi @Strain 50.0 %	ASTM D412
	7.412 MPa @Strain 100 %	1075 psi @Strain 100 %	ASTM D412
	17.00 MPa @Strain 300 %	2465 psi @Strain 300 %	ASTM D412
Elongation at Break	540 %	540 %	ASTM D412
Tear Strength	411 kN/m	2350 pli	ASTM D624

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

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

Optical Properties Descriptive Properties	Metric	English Value	Comments Comments
Abrasion Loss (mm3)		35	DIN 53516

## Contact Songhan Plastic Technology Co.,Ltd.

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