

Techmer ES Elastoblend® PA6 IM 435 HS L

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Heat Stabilized , Nylon 6, Impact Grade

Material Notes:

Availability: North America Forms: Pellets Additive: Heat Stabilizer, Impact Modifier and Lubricant Features: Heat Stabilized, Impact Modified and Lubricated Uses: Low Temperature Applications Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Elastoblend-PA6-IM-435-HS-L.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ASTM D792
Water Absorption	1.5 % @Time 86400 sec	1.5 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0080 cm/cm @Thickness 3.17 mm	0.0080 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	70	70	ASTM D785
Tensile Strength, Yield	35.9 - 51.7 MPa	5200 - 7500 psi	ASTM D638
Elongation at Break	250 - 350 %	250 - 350 %	ASTM D638
Flexural Strength	41.4 - 58.6 MPa	6000 - 8500 psi	ASTM D790
Flexural Modulus	0.469 - 0.689 GPa	68.0 - 100 ksi	ASTM D790
Izod Impact, Notched	NB @Thickness 3.17 mm	NB @Thickness 0.125 in	ASTM D256
	NB @Thickness 3.17 mm, Temperature -40.0 Â°C	NB @Thickness 0.125 in, Temperature -40.0 Â°F	ASTM D256
Izod Impact, Unnotched	NB @Thickness 3.17 mm	NB @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	23.4 Âµm/m-Â°C	13.0 Âµin/in-Â°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	166 Â°C	330 Â°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa	51.7 Â°C	125 Â°F	

(264 psi) Thermal Properties	Metric	English	Unannealed; ASTM D648 Comments
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.00e+13 ohm-cm	2.00e+13 ohm-cm	ASTM D257
Dielectric Strength	16.5 kV/mm	420 kV/in	Method A (Short-Time); ASTM D149

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