

Techmer ES Elastoblend® PA6/6 IM 408 L Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Impact Grade

Material Notes:

Availability: North America Forms: Pellets Additive: Lubricant and Impact Modifier Features: Lubricant and Impact Modified Processing

Method: Injection Molding Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Elastoblend-PA66-IM-408-L-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in ³	ASTM D792
Water Absorption	1.2 % @Time 86400 sec	1.2 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.015 cm/cm @Thickness 3.17 mm	0.015 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	102	102	ASTM D785
Tensile Strength	59.3 MPa	8600 psi	ASTM D638
Elongation at Break	80 %	80 %	ASTM D638
Flexural Strength	80.0 MPa	11600 psi	ASTM D790
Flexural Yield Strength	82.7 MPa	12000 psi	ASTM D790
Flexural Modulus	1.90 GPa	275 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm @Thickness 3.17 mm, Temperature -40.0 °C	1.00 ft-lb/in @Thickness 0.125 in, Temperature -40.0 °F	ASTM D256
	2.14 J/cm @Thickness 3.17 mm, Temperature 22.8 °C	4.00 ft-lb/in @Thickness 0.125 in, Temperature 73.0 °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	79.2 µm/m-°C	44.0 µin/in-°F	ASTM D696

Deflection Temperature at 0.46 MPa Thermal Properties (0.05 in)	224 Â°C Metric	435 Â°F English	Unannealed; ASTM D648 Comments
Deflection Temperature at 1.8 MPa (264 psi)	71.1 Â°C	160 Â°F	Unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	ASTM D257
Dielectric Strength	17.3 kV/mm	440 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