

Techmer ES Plastiblend® PA6/10 BK Nylon 610

Category : Polymer , Thermoplastic , Nylon , Nylon 610

Material Notes:

Availability: North America Forms: Pellets Appearance: Black Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Plastiblend-PA610-BK-Nylon-610.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in ³	ASTM D792
Water Absorption	0.40 %	0.40 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	60.0 MPa	8700 psi	ASTM D638
Elongation at Yield	100 %	100 %	ASTM D638
Flexural Yield Strength	75.8 MPa	11000 psi	ASTM D790
Flexural Modulus	2.00 GPa	290 ksi	ASTM D790
Izod Impact, Notched	0.481 J/cm	0.900 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	79.2 Åµm/m-Å°C	44.0 Åµin/in-Å°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	175 Å°C	347 Å°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	66.1 Å°C	151 Å°F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	ASTM D257
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	ASTM D257

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