

**Techmer ES Electrafil<sup>®</sup> J-1/CF/30/TF/13/SI/2 Nylon 66, 30% Carbon Fiber, 13% PTFE, 2% Silicone**

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Carbon Fiber Filled

Material Notes:

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Electrafil-J-1CF30TF13SI2-Nylon-66-30-Carbon-Fiber-13-PTFE-2-Silicone.php](http://www.lookpolymers.com/polymer_Techmer-ES-Electrafil-J-1CF30TF13SI2-Nylon-66-30-Carbon-Fiber-13-PTFE-2-Silicone.php)

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.60 %	0.60 %	24 hrs. ASTM D570
Linear Mold Shrinkage	0.0010 cm/cm @Thickness 3.17 mm	0.0010 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	193 MPa	28000 psi	ASTM D638
Elongation at Break	2.0 - 3.0 %	2.0 - 3.0 %	ASTM D638
Flexural Yield Strength	276 MPa	40000 psi	ASTM D790
Flexural Modulus	15.2 GPa	2200 ksi	ASTM D790
Compressive Strength	172 MPa	25000 psi	ASTM D695
Izod Impact, Notched	0.961 J/cm @Thickness 3.17 mm	1.80 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	252 Â°C	485 Â°F	ASTM D648

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00 - 10.0 ohm-cm	1.00 - 10.0 ohm-cm	ASTM C611
Surface Resistance	100 - 1000 ohm	100 - 1000 ohm	ASTM D257

**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