

## Techmer ES Electrafil<sup>®</sup> J-1200/CF/10 ABS, 10% Carbon Fiber Reinforced

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), 10% Carbon Fiber Filled

Material Notes:

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Electrafil-J-1200CF10-ABS-10-Carbon-Fiber-Reinforced.php](http://www.lookpolymers.com/polymer_Techmer-ES-Electrafil-J-1200CF10-ABS-10-Carbon-Fiber-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.40 %	0.40 %	24 hrs. ASTM D570
Linear Mold Shrinkage	0.0060 cm/cm @Thickness 3.17 mm	0.0060 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	82.7 MPa	12000 psi	ASTM D638
Elongation at Break	1.7 %	1.7 %	ASTM D638
Tensile Modulus	7.58 GPa	1100 ksi	ASTM D638
Flexural Yield Strength	110 MPa	16000 psi	ASTM D790
Flexural Modulus	6.89 GPa	1000 ksi	ASTM D790
Izod Impact, Notched	0.427 J/cm @Thickness 3.17 mm	0.800 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	1.87 J/cm @Thickness 3.17 mm	3.50 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	104 Â°C	220 Â°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	98.9 Â°C	210 Â°F	ASTM D648
Flammability, UL94	HB @Thickness 1.59 mm	HB @Thickness 0.0625 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	10.0 - 100 ohm-cm	10.0 - 100 ohm-cm	ASTM C611

Surface Resistance Electrical Properties	100 - 1000 ohm Metric	100 - 1000 ohm English	ASTM D257 Comments
---	--------------------------	---------------------------	-----------------------

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China