

## Shinkong Synthetic Fibers Shinite® T102 PET, Fire Retardant

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET)

### Material Notes:

Information from Shinkong Synthetic Fibers Corp.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Shinkong-Synthetic-Fibers-Shinite-T102-PET-Fire-Retardant.php](http://www.lookpolymers.com/polymer_Shinkong-Synthetic-Fibers-Shinite-T102-PET-Fire-Retardant.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.45 g/cc	1.45 g/cc	ASTM D792
Water Absorption	0.15 %	0.15 %	ASTM D570
Linear Mold Shrinkage, Flow	0.015 - 0.025 cm/cm	0.015 - 0.025 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.015 - 0.025 cm/cm	0.015 - 0.025 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength	49.0 MPa	7110 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Yield Strength	78.5 MPa	11400 psi	ASTM D790
Flexural Modulus	2.55 GPa	370 ksi	ASTM D790
Izod Impact, Notched	0.294 J/cm @Thickness 3.17 mm, Temperature 23.0 Å°C	0.551 ft-lb/in @Thickness 0.125 in, Temperature 73.4 Å°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	70.0 Å°C	158 Å°F	ASTM D648
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257
Dielectric Constant	3.0	3.0	ASTM D150
Dielectric Strength	16.0 kV/mm	406 kV/in	ASTM D149

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