

## Samyang Tripet<sup>®</sup> 2550GN30 Polyethylene Terephthalate, 30% Glass Fiber Reinforced, Flame Retardant

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), Glass Fiber Filled, Flame Retardant

### Material Notes:

TRIPET<sup>®</sup> has excellent heat resistance, good surface, chemical resistance and high electrical performance. Applications: Coil Bobbin Connector Motor Housing Lamp Housing Relay Base Iron body All information provided by Samyang

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Samyang-Tripet-2550GN30-Polyethylene-Terephthalate-30-Glass-Fiber-Reinforced-Flame-Retardant.php](http://www.lookpolymers.com/polymer_Samyang-Tripet-2550GN30-Polyethylene-Terephthalate-30-Glass-Fiber-Reinforced-Flame-Retardant.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.61 g/cc	1.61 g/cc	ASTM D792
Water Absorption	0.10 % @Time 86400 sec	0.10 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage	0.0020 - 0.0040 cm/cm @Thickness 3.00 mm	0.0020 - 0.0040 in/in @Thickness 0.118 in	ASTM D955
Melt Flow	45 g/10 min @Load 5.00 kg, Temperature 265 Å°C	45 g/10 min @Load 11.0 lb, Temperature 509 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	114	114	ASTM D785
Tensile Strength, Yield	147 MPa	21300 psi	ASTM D638
Elongation at Break	6.0 %	6.0 %	ASTM D638
Flexural Yield Strength	221 MPa	32000 psi	ASTM D790
Flexural Modulus	8.83 GPa	1280 ksi	ASTM D790
Izod Impact, Unnotched	0.883 J/cm @Thickness 3.17 mm	1.65 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	30.0 Åµm/m-Å°C	16.7 Åµin/in-Å°F	ASTM D696
Melting Point	255 Å°C	491 Å°F	
Deflection Temperature at 0.46 MPa (66 psi)	245 Å°C	473 Å°F	ASTM D648

Thermal Properties	Metric	English	Comments
Tensile Strength at 1.8 MPa (26.4 psi)	220 A°C	72 A°F	ASTM D638
Flammability, UL94	V-0 @Thickness 1.59 mm	V-0 @Thickness 0.0625 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257
Dielectric Constant	3.8 @Frequency 1.00e+6 Hz	3.8 @Frequency 1.00e+6 Hz	ASTM D150
Dielectric Strength	20.0 kV/mm	508 kV/in	ASTM D149
Dissipation Factor	0.017 @Frequency 1.00e+6 Hz	0.017 @Frequency 1.00e+6 Hz	ASTM D150
Arc Resistance	80 sec	80 sec	ASTM D495

## 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