

Samyang Tribit® 1550GN15 PBT Alloy, Reinforced Flame Retardancy

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Flame Retardant

Material Notes:

Crystallization is fast, formability is excellent and thermal resistance, chemical resistance, electrical properties and abrasion resistance are excellent. 1550GN15 is a reinforced, flame retardant (ALLOY) grade. Information provided by Samyang.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samyang-Tribit-1550GN15-PBT-Alloy-Reinforced-Flame-Retardancy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.57 g/cc	1.57 g/cc	ASTM D792
Water Absorption	0.080 %	0.080 %	ASTM D570
Linear Mold Shrinkage	0.0020 - 0.012 cm/cm	0.0020 - 0.012 in/in	ASTM D955
Melt Flow	55 g/10 min @Load 2.16 kg, Temperature 250 Â°C	55 g/10 min @Load 4.76 lb, Temperature 482 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength	88.3 MPa	12800 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Yield Strength	127 MPa	18500 psi	ASTM D790
Flexural Modulus	5.39 GPa	782 ksi	ASTM D790
Izod Impact, Notched	0.392 J/cm @Thickness 3.17 mm	0.735 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	30.0 Âµm/m-Â°C	16.7 Âµin/in-Â°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	205 Â°C	401 Â°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	220 Â°C	428 Â°F	ASTM D648
Flammability, UL94	V-0 @Thickness 0.710 mm	V-0 @Thickness 0.0280 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257
Dielectric Constant	3.1	3.1	ASTM D150
Dielectric Strength	20.0 kV/mm	508 kV/in	ASTM D149
Dissipation Factor	0.020	0.020	ASTM D150
Arc Resistance	120 sec	120 sec	ASTM D495

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