

Kolon SPESINÂ® KP213G30SB3 Glass Fiber Reinforced PBT Compound Resin

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 30% Glass Fiber Filled

Material Notes:

G/F 30% reinforced Applications: Ignition coil bobbins Information provided by API-Kolon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kolon-SPESIN-KP213G30SB3-Glass-Fiber-Reinforced-PBT-Compound-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.47 g/cc	1.47 g/cc	ASTM D792
Moisture Absorption at Equilibrium	0.050 %	0.050 %	60% RH; ASTM D570
Linear Mold Shrinkage	0.0050 - 0.010 cm/cm	0.0050 - 0.010 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength	108 MPa	15700 psi	ASTM D638
Elongation at Break	7.0 %	7.0 %	ASTM D638
Flexural Strength	177 MPa	25700 psi	ASTM D790
Flexural Modulus	6.276 GPa	910.3 ksi	ASTM D790
Izod Impact, Notched	1.67 J/cm	3.13 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	40.0 $\mu\text{m}/\text{m}\cdot\text{Â}^\circ\text{C}$	22.2 $\mu\text{in}/\text{in}\cdot\text{Â}^\circ\text{F}$	ASTM D696
Melting Point	224 $\text{Â}^\circ\text{C}$	435 $\text{Â}^\circ\text{F}$	ASTM D1525
Deflection Temperature at 0.46 MPa (66 psi)	220 $\text{Â}^\circ\text{C}$	428 $\text{Â}^\circ\text{F}$	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	205 $\text{Â}^\circ\text{C}$	401 $\text{Â}^\circ\text{F}$	ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.2	3.2	ASTM D150
Dielectric Strength	30.0 kV/mm	762 kV/in	ASTM D149
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