

Kolon SPESINÂ® KP213G15HIBL Impact Resistant PBT Compound resin

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Impact Grade

Material Notes:

G/F 15% + Impact resistant Applications: Switches Information provided by API-Kolon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kolon-SPESIN-KP213G15HIBL-Impact-Resistant-PBT-Compound-resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.37 g/cc	1.37 g/cc	ASTM D792
Moisture Absorption at Equilibrium	0.050 %	0.050 %	60% RH; ASTM D570
Linear Mold Shrinkage	0.0070 - 0.011 cm/cm	0.0070 - 0.011 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	113	113	ASTM D785
Tensile Strength	88.0 MPa	12800 psi	ASTM D638
Elongation at Break	8.0 %	8.0 %	ASTM D638
Flexural Strength	147 MPa	21300 psi	ASTM D790
Flexural Modulus	4.413 GPa	640.1 ksi	ASTM D790
Izod Impact, Notched	1.18 J/cm	2.21 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	50.0 $\mu\text{m}/\text{m}\cdot\text{Â}^\circ\text{C}$	27.8 $\mu\text{in}/\text{in}\cdot\text{Â}^\circ\text{F}$	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)	155 $\text{Â}^\circ\text{C}$	311 $\text{Â}^\circ\text{F}$	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	60.0 $\text{Â}^\circ\text{C}$	140 $\text{Â}^\circ\text{F}$	ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.6	3.6	ASTM D150
Dielectric Strength	26.0 kV/mm	660 kV/in	ASTM D149
Arc Resistance	130 sec	130 sec	ASTM D495

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