

Kolon SPESINÂ® KP213HIBL Impact Resistant PBT Compound resin

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

Material Notes:

Impact resistant, BLACKApplications: Wiper bladesInformation provided by API-Kolon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kolon-SPESIN-KP213HIBL-Impact-Resistant-PBT-Compound-resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.25 g/cc	1.25 g/cc	ASTM D792
Moisture Absorption at Equilibrium	0.050 %	0.050 %	60% RH; ASTM D570
Linear Mold Shrinkage	0.022 - 0.027 cm/cm	0.022 - 0.027 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength	47.0 MPa	6820 psi	ASTM D638
Elongation at Break	17 %	17 %	ASTM D638
Flexural Strength	79.0 MPa	11500 psi	ASTM D790
Flexural Modulus	2.059 GPa	298.6 ksi	ASTM D790
Izod Impact, Notched	0.740 J/cm	1.39 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	120 $\mu\text{m}/\text{m}\cdot\text{Â}^\circ\text{C}$	66.7 $\mu\text{in}/\text{in}\cdot\text{Â}^\circ\text{F}$	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)	150 $\text{Â}^\circ\text{C}$	302 $\text{Â}^\circ\text{F}$	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	55.0 $\text{Â}^\circ\text{C}$	131 $\text{Â}^\circ\text{F}$	ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.4	3.4	ASTM D150
Dielectric Strength	24.0 kV/mm	610 kV/in	ASTM D149
Arc Resistance	125 sec	125 sec	ASTM D495

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