

Kolon KOPETÂ® KP133G15BL G/F Reinforced Polyester Compound Resin (PET)

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), 20% Glass Reinforced

Material Notes:

Dimensionally stable, high elastic, high flowApplications: Ink CartridgeInformation provided by API-Kolon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kolon-KOPET-KP133G15BL-GF-Reinforced-Polyester-Compound-Resin-PET.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.45 g/cc	1.45 g/cc	ASTM D792
Moisture Absorption at Equilibrium	0.10 %	0.10 %	60% RH; ASTM D570
Linear Mold Shrinkage	0.0020 - 0.0050 cm/cm	0.0020 - 0.0050 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D785
Tensile Strength	98.0 MPa	14200 psi	ASTM D638
Elongation at Break	6.0 %	6.0 %	ASTM D638
Flexural Strength	152 MPa	22000 psi	ASTM D790
Flexural Modulus	5.394 GPa	782.3 ksi	ASTM D790
Izod Impact, Notched	0.340 J/cm	0.637 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	40.0 Âµm/m-Â°C	22.2 Âµin/in-Â°F	ASTM D696
Melting Point	255 Â°C	491 Â°F	ASTM D1525
Deflection Temperature at 0.46 MPa (66 psi)	235 Â°C	455 Â°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	185 Â°C	365 Â°F	ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.7	3.7	ASTM D150
Dielectric Strength	19.0 kV/mm	483 kV/in	ASTM D149
Arc Resistance	119 sec	119 sec	ASTM D495

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