

Kolon KOPA® KN333G15SIBL G/F Reinforced Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 20% Glass Fiber Filled

Material Notes:

High strength, high toughness Applications Relay covers Information provided by API-Kolon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kolon-KOPA-KN333G15SIBL-GF-Reinforced-Nylon-66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 g/cc	ASTM D792
Moisture Absorption at Equilibrium	0.40 %	0.40 %	60% RH; ASTM D570
Linear Mold Shrinkage	0.0050 - 0.0080 cm/cm	0.0050 - 0.0080 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength	118 MPa	17100 psi	ASTM D638
Elongation at Break	7.0 %	7.0 %	ASTM D638
Flexural Strength	191 MPa	27700 psi	ASTM D790
Flexural Modulus	5.492 GPa	796.5 ksi	ASTM D790
Izod Impact, Notched	0.490 J/cm	0.918 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	30.0 Åµm/m-Å°C	16.7 Åµin/in-Å°F	ASTM D696
Melting Point	255 Å°C	491 Å°F	ASTM D1525
Deflection Temperature at 0.46 MPa (66 psi)	245 Å°C	473 Å°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	235 Å°C	455 Å°F	ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.4	3.4	ASTM D150
Dielectric Strength	21.0 kV/mm	533 kV/in	ASTM D149
Arc Resistance	135 sec	135 sec	ASTM D495

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