

Kolon KOPA® KN333G35CR G/F Reinforced Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 40% Glass Fiber Filled

Material Notes:

High thermal resistant, Weather resistant, dimensionally stable Applications Cylinder head covers Information provided by API-Kolon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kolon-KOPA-KN333G35CR-GF-Reinforced-Nylon-66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.40 g/cc	1.40 g/cc	ASTM D792
Moisture Absorption at Equilibrium	0.40 %	0.40 %	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	121	121	ASTM D785
Tensile Strength	186 MPa	27000 psi	ASTM D638
Elongation at Break	7.5 %	7.5 %	ASTM D638
Flexural Strength	284 MPa	41200 psi	ASTM D790
Flexural Modulus	8.826 GPa	1280 ksi	ASTM D790
Izod Impact, Notched	1.27 J/cm	2.38 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	20.0 Åµm/m-Å°C	11.1 Åµin/in-Å°F	ASTM D696
Melting Point	255 Å°C	491 Å°F	ASTM D1525
Deflection Temperature at 0.46 MPa (66 psi)	250 Å°C	482 Å°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	248 Å°C	478 Å°F	ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.6	3.6	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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