

Kolon KOPA® KN3322V0Y Flame Retardant Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Unreinforced, Flame Retardant

Material Notes:

Halogen free, Impact -resistantApplications A variety of connectorsInformation provided by API-Kolon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kolon-KOPA-KN3322V0Y-Flame-Retardant-Nylon-66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.29 g/cc	1.29 g/cc	ASTM D792
Moisture Absorption at Equilibrium	0.60 %	0.60 %	60% RH; ASTM D570
Linear Mold Shrinkage	0.013 - 0.016 cm/cm	0.013 - 0.016 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength	80.0 MPa	11600 psi	ASTM D638
Elongation at Break	15 %	15 %	ASTM D638
Flexural Strength	132 MPa	19100 psi	ASTM D790
Flexural Modulus	3.138 GPa	455.1 ksi	ASTM D790
Izod Impact, Notched	0.490 J/cm	0.918 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	70.0 Åµm/m-Å°C	38.9 Åµin/in-Å°F	ASTM D696
Melting Point	255 Å°C	491 Å°F	ASTM D1525
Deflection Temperature at 0.46 MPa (66 psi)	235 Å°C	455 Å°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	105 Å°C	221 Å°F	ASTM D648
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.4	3.4	ASTM D150
Dielectric Strength	20.0 kV/mm	508 kV/in	ASTM D149
Arc Resistance	125 sec	125 sec	ASTM D495

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