

NYCOA 27/330KNF Glass Filled Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 30% Glass Fiber Filled

Material Notes:33% glass filled, heat stabilized nylon 6
Information provided by NYCOA, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NYCOA-27330KNF-Glass-Filled-Nylon-6.php

Physical Properties	Metric	English	Comments
Density	1.38 g/cc	0.0499 lb/in ³	ASTM D792
Water Absorption	0.90 %	0.90 %	ASTM D570
Linear Mold Shrinkage	0.015 cm/cm	0.015 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	122	122	ASTM D785
Tensile Strength, Yield	179 MPa	26000 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Yield Strength	240 MPa	34800 psi	ASTM D790
Flexural Modulus	8.965 GPa	1300 ksi	ASTM D790
Izod Impact, Notched	1.23 J/cm	2.30 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	221 °C	430 °F	ASTM D789
Deflection Temperature at 1.8 MPa (264 psi)	208 °C	406 °F	ASTM D648

Processing Properties	Metric	English	Comments
Processing Temperature	250 °C	482 °F	
Rear Barrel Temperature	225 °C	437 °F	
Middle Barrel Temperature	230 °C	446 °F	
Front Barrel Temperature	250 °C	482 °F	
Nozzle Temperature	250 °C	482 °F	
Mold Temperature	80.0 °C	176 °F	

Drying Temperature
Processing Properties

76.0 °C
Metric

169 °F
English

Comments

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