

NYCOA 27/440KNF Glass Filled Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 40% Glass Fiber Filled

Material Notes:

44% glass filled, heat stabilized nylon 6
Information provided by NYCOA, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NYCOA-27440KNF-Glass-Filled-Nylon-6.php

Physical Properties	Metric	English	Comments
Density	1.51 g/cc	0.0546 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.015 cm/cm	0.015 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	220 MPa	31900 psi	ASTM D638
Elongation at Break	5.0 %	5.0 %	ASTM D638
Flexural Yield Strength	275 MPa	39900 psi	ASTM D790
Flexural Modulus	10.965 GPa	1590.4 ksi	ASTM D790
Izod Impact, Notched	1.75 J/cm	3.28 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ASTM D789

Processing Properties	Metric	English	Comments
Processing Temperature	250 °C	482 °F	
Rear Barrel Temperature	220 °C	428 °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	76.0 °C	169 °F	

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