

NHEP Spectron™ E5469 Nylon 66, 33% Glass Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled

Material Notes:

Natural color. E5469 exhibits high rigidity, mechanical strength, and excellent appearance. It is suitable for wide range of applications. Property data measured at room temperature, 50% RH. Information provided by Bieglo GmbH for Ngai Hing Engineering Plastic (Hong Kong) Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NHEP-Spectron-E5469-Nylon-66-33-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in³	ASTM D792
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength	165 MPa	23900 psi	ASTM D638
Elongation at Yield	7.0 %	7.0 %	ASTM D638
Flexural Strength	220 MPa	31900 psi	ASTM D790
Flexural Modulus	8.40 GPa	1220 ksi	ASTM D790
Izod Impact, Notched	0.800 J/cm	1.50 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	240 °C	464 °F	ASTM D648

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	235 - 245 °C	455 - 473 °F	
Middle Barrel Temperature	245 - 255 °C	473 - 491 °F	
Front Barrel Temperature	255 - 265 °C	491 - 509 °F	
Nozzle Temperature	265 - 275 °C	509 - 527 °F	
Mold Temperature	90.0 - 120 °C	194 - 248 °F	
Drying Temperature	100 - 120 °C @Time 7200 - 14400 sec	212 - 248 °F @Time 2.00 - 4.00 hour	

Descriptive Properties	Value	Comments
Processing Injection Pressure	Medium-High	
Processing Injection Speed	Medium-High	

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