

## NHEP Spectron™ E6666 Nylon 66, 30% Glass Fiber

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

### Material Notes:

Natural color. E6666 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-E6666-Nylon-66-30-Glass-Fiber.php](http://www.lookpolymers.com/polymer_NHEP-Spectron-E6666-Nylon-66-30-Glass-Fiber.php)

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in <sup>3</sup>	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	260 - 270 °C	500 - 518 °F	
Middle Barrel Temperature	260 - 270 °C	500 - 518 °F	
Front Barrel Temperature	260 - 270 °C	500 - 518 °F	
Nozzle Temperature	270 - 280 °C	518 - 536 °F	
Mold Temperature	100 - 120 °C	212 - 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	

## Contact Songhan Plastic Technology Co.,Ltd.

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