

## NHEP Spectron™ E6046 Nylon 6, 15% Glass Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 20% Glass Fiber Filled

### Material Notes:

Natural color. E6046 exhibits high rigidity and mechanical strength. 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-E6046-Nylon-6-15-Glass-Fiber.php](http://www.lookpolymers.com/polymer_NHEP-Spectron-E6046-Nylon-6-15-Glass-Fiber.php)

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage	0.0070 - 0.016 cm/cm	0.0070 - 0.016 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength	100 MPa	14500 psi	ASTM D638
Elongation at Yield	8.0 %	8.0 %	ASTM D638
Flexural Strength	150 MPa	21800 psi	ASTM D790
Flexural Modulus	4.30 GPa	624 ksi	ASTM D790
Izod Impact, Notched	1.00 J/cm	1.87 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Flammability, UL94	HB	HB	
	@Thickness 3.17 mm	@Thickness 0.125 in	

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	220 - 230 °C	428 - 446 °F	
Middle Barrel Temperature	230 - 240 °C	446 - 464 °F	
Front Barrel Temperature	240 - 250 °C	464 - 482 °F	
Nozzle Temperature	250 - 260 °C	482 - 500 °F	
Drying Temperature	100 - 120 °C	212 - 248 °F	
	@Time 7200 - 14400 sec	@Time 2.00 - 4.00 hour	

Descriptive Properties	Value	Comments
------------------------	-------	----------

Processing Injection Pressure

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

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China