

SABIC Innovative Plastics LNP Thermocomp OF008E PPS

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS)

Material Notes:

LNP* Thermocomp* OF008E is a compound based on Polyphenylene Sulfide resin containing Glass Fiber. Added features of this material include: Easy Molding. This data was supplied by SABIC-IP for the Americas region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermocomp-OF008E-PPS.php

Physical Properties	Metric	English	Comments
Density	1.68 g/cc	0.0607 lb/in ³	ASTM D 792
Linear Mold Shrinkage, Flow	0.0020 cm/cm @Time 86400 sec	0.0020 in/in @Time 24.0 hour	ASTM D 955
Linear Mold Shrinkage, Transverse	0.0080 cm/cm @Time 86400 sec	0.0080 in/in @Time 24.0 hour	ASTM D 955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	160 MPa	23200 psi	ISO 527
	178 MPa	25800 psi	ASTM D 638
Elongation at Break	1.2 %	1.2 %	ISO 527
	1.7 %	1.7 %	ASTM D 638
Flexural Strength	190 MPa	27600 psi	ISO 178
	248 MPa	36000 psi	ASTM D 790
Flexural Modulus	13.4 GPa	1940 ksi	ISO 178
	14.26 GPa	2068 ksi	ASTM D 790
Izod Impact, Notched	1.01 J/cm @Temperature 23.0 °C	1.89 ft-lb/in @Temperature 73.4 °F	ASTM D 256
Izod Impact, Unnotched	5.87 J/cm @Temperature 23.0 °C	11.0 ft-lb/in @Temperature 73.4 °F	ASTM D 4812
Izod Impact, Notched (ISO)	6.00 kJ/m ² @Temperature 23.0 °C	2.86 ft-lb/in ² @Temperature 73.4 °F	80*10*4; ISO 180/1A

Mechanical Properties	Metric	English	Comments
Notched Impact, Unnotched (ISO)	21.0 kJ/m ²	9.99 ft-lb/in ²	80*10*4, ISO 180/1U
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Coefficient of Friction, Dynamic	0.66	0.66	ASTM D 3702 Modified
Coefficient of Friction, Static	0.87	0.87	ASTM D 3702 Modified
K (wear) Factor	483 x 10 ⁻⁸ mm ³ /N-M	240 x 10 ⁻¹⁰ in ³ - min/ft-lb-hr	Washer; ASTM D 3702 Modified

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	26.0 Âµm/m-Â°C	14.4 Âµin/in-Â°F	ISO 11359-2
	@Temperature -40.0 - 40.0 Â°C	@Temperature -40.0 - 104 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	272 Â°C	522 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	261 Â°C	502 Â°F	unannealed; ASTM D 648
	@Thickness 3.20 mm	@Thickness 0.126 in	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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