

SABIC Innovative Plastics LNP THERMOCOMP OF008H PPS - Linear

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS)

Material Notes:

LNP* THERMOCOMP* OF008H is a compound based on PPS - Linear containing 40% Glass Fiber. Characteristics of this grade are:
Healthcare.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-OF008H-PPS-Linear.php

Physical Properties	Metric	English	Comments
Density	1.70 g/cc	0.0614 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0030 cm/cm @Time 86400 sec	0.0030 in/in @Time 24.0 hour	ASTM D955
Linear Mold Shrinkage, Transverse	0.010 cm/cm @Time 86400 sec	0.010 in/in @Time 24.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	140 MPa	20300 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	1.6 %	1.6 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	14.1 GPa	2050 ksi	50 mm/min; ASTM D638
Flexural Strength	234 MPa	33900 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	14.22 GPa	2062 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.960 J/cm	1.80 ft-lb/in	ASTM D256
Izod Impact, Unnotched	5.34 J/cm	10.0 ft-lb/in	ASTM D4812
Coefficient of Friction, Dynamic	0.41	0.41	ASTM D3702 Modified
Coefficient of Friction, Static	0.50	0.50	ASTM D3702 Modified
K (wear) Factor	751 x 10 ⁻⁸ mm ³ /N-M	373 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	Washer; ASTM D3702 Modified

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	264 Â°C @Thickness 3.20 mm	507 Â°F @Thickness 0.126 in	unannealed; ASTM D648
	V-0	V-0	

Thermal Properties	Metric	English	Comments
Flammability: UL 94	@ Thickness 0.450 mm	@ Thickness 0.0177 in	UL 94 hv SABIC-IP

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