

SABIC Innovative Plastics LNP THERMOCOMP OF008E PPS - Linear (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS)

Material Notes:

LNP* THERMOCOMP* OF008E is a compound based on PPS - Linear resin containing Glass Fiber. Added features include: Easy Molding.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-OF008E-PPS-Linear-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.65 g/cc	0.0596 lb/in ³	ISO 1183
Water Absorption	0.010 % @Time 86400 sec	0.010 % @Time 24.0 hour	ISO 62-1
Linear Mold Shrinkage, Flow	0.0020 - 0.0040 cm/cm @Time 86400 sec	0.0020 - 0.0040 in/in @Time 24.0 hour	ISO 294
Linear Mold Shrinkage, Transverse	0.0080 - 0.012 cm/cm @Time 86400 sec	0.0080 - 0.012 in/in @Time 24.0 hour	ISO 294

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	177 MPa	25700 psi	5 mm/min; ISO 527
Elongation at Break	1.8 %	1.8 %	5 mm/min; ISO 527
Tensile Modulus	12.9 GPa	1870 ksi	1 mm/min; ISO 527
Flexural Yield Strength	251 MPa	36400 psi	2 mm/min; ISO 178
Flexural Modulus	12.3 GPa	1780 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	10.0 kJ/m ²	4.76 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	45.0 kJ/m ²	21.4 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	22.0 Âµm/m-Â°C @Temperature 23.0 - 60.0 Â°C	12.2 Âµin/in-Â°F @Temperature 73.4 - 140 Â°F	ISO 11359-2
CTE, linear, Transverse to Flow	49.0 Âµm/m-Â°C @Temperature 23.0 - 60.0 Â°C	27.2 Âµin/in-Â°F @Temperature 73.4 - 140 Â°F	ISO 11359-2

Thermal Properties	Deflection Temperature at 1.8 MPa (264 psi)	Metric	C	English	Comments	0+4 sp=64mm; ISO 75/Af
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