

## SABIC Innovative Plastics LNP THERMOCOMP OF008A PPS - Branched (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS)

### Material Notes:

LNP\* Thermocomp\* OF008A is a compound based on PPS - Branched resin containing Glass Fiber.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-THERMOCOMP-OF008A-PPS-Branched-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-OF008A-PPS-Branched-Europe-Africa-Middle-East.php)

Physical Properties	Metric	English	Comments
Density	1.65 g/cc	0.0596 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.0015 - 0.0025 cm/cm	0.0015 - 0.0025 in/in	on Tensile Bar; SABIC Method
	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	0.0080 - 0.012 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	182 MPa	26400 psi	5 mm/min; ISO 527
Elongation at Break	1.7 %	1.7 %	5 mm/min; ISO 527
Flexural Strength	271 MPa	39300 psi	2 mm/min; ISO 178
Flexural Modulus	14.0 GPa	2030 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	9.00 kJ/m <sup>2</sup>	4.28 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	45.0 kJ/m <sup>2</sup>	21.4 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	26.0 Åµm/m-Å°C	14.4 Åµin/in-Å°F	ISO 11359-2
	@Temperature 23.0 - 60.0 Å°C	@Temperature 73.4 - 140 Å°F	
Deflection Temperature at 1.8 MPa (264 psi)	272 Å°C	522 Å°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
Flammability, UL94	V-0	V-0	UL 94
	@Thickness 0.450 mm	@Thickness 0.0177 in	

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