

SABIC Innovative Plastics LNP THERMOCOMP UF009AS PPA (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyphthalamide (PPA)

Material Notes:

LNP* Thermocomp* UF009AS is a compound based on Polyphthalamide resin containing Glass Fiber.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-UF009AS-PPA-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.58 g/cc	0.0571 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	on Tensile Bar; SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	194 MPa	28100 psi	5 mm/min; ISO 527
Tensile Strength, Yield	111 MPa	16100 psi	5 mm/min; ISO 527
Elongation at Break	1.3 %	1.3 %	5 mm/min; ISO 527
Elongation at Yield	0.80 %	0.80 %	5 mm/min; ISO 527
Tensile Modulus	14.4 GPa	2090 ksi	1 mm/min; ISO 527
Flexural Strength	387 MPa	56100 psi	2 mm/min; ISO 178
Flexural Modulus	13.2 GPa	1910 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	14.0 kJ/m ²	6.66 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	90.0 kJ/m ²	42.8 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	19.0 Åµm/m-Å°C	10.6 Åµin/in-Å°F	ISO 11359-2
	@Temperature 23.0 - 60.0 Å°C	@Temperature 73.4 - 140 Å°F	
CTE, linear, Transverse to Flow	52.0 Åµm/m-Å°C	28.9 Åµin/in-Å°F	ISO 11359-2
	@Temperature 23.0 - 60.0 Å°C	@Temperature 73.4 - 140 Å°F	

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