

SABIC Innovative Plastics LNP THERMOCOMP UF008AR PPA (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyphthalamide (PPA)

Material Notes:

LNP* THERMOCOMP* UF008AR is a compound based on Polyphthalamide resin, containing Glass Fiber. Added features include; Mold Release.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-UF008AR-PPA-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.53 g/cc	0.0553 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0014 cm/cm	0.0014 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	234 MPa	33900 psi	5 mm/min; ISO 527
Elongation at Break	2.1 %	2.1 %	5 mm/min; ISO 527
Tensile Modulus	14.5 GPa	2100 ksi	1 mm/min; ISO 527
Flexural Yield Strength	315 MPa	45700 psi	2 mm/min; ISO 178
Flexural Modulus	12.0 GPa	1740 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	13.0 kJ/m ²	6.19 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	55.0 kJ/m ²	26.2 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	23.0 $\mu\text{m/m-}^{\circ}\text{C}$	12.8 $\mu\text{in/in-}^{\circ}\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $^{\circ}\text{C}$	@Temperature 73.4 - 140 $^{\circ}\text{F}$	
CTE, linear, Transverse to Flow	53.0 $\mu\text{m/m-}^{\circ}\text{C}$	29.4 $\mu\text{in/in-}^{\circ}\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $^{\circ}\text{C}$	@Temperature 73.4 - 140 $^{\circ}\text{F}$	

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