

SABIC Innovative Plastics LNP THERMOCOMP UFW49S PPA

Category : Polymer , Thermoplastic , Polyphthalamide (PPA)

Material Notes:

LNP* THERMOCOMP* UFW49S is a compound based on Polyphthalamide resin containing 45% Glass Fiber, 20% Wollastonite. Added features of this material include: Heat Stabilized, Low Warpage.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-UFW49S-PPA.php

Physical Properties	Metric	English	Comments
Density	1.85 g/cc	0.0668 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	192 MPa	27800 psi	ISO 527
Elongation at Break	1.1 %	1.1 %	ISO 527
Flexural Strength	274 MPa	39700 psi	ISO 178

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	17.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	9.44 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ASTM D696
	@Temperature -30.0 - 30.0 $\text{Å}^\circ\text{C}$	@Temperature -22.0 - 86.0 $\text{Å}^\circ\text{F}$	
CTE, linear, Transverse to Flow	27.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	15.0 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ASTM D696
	@Temperature -30.0 - 30.0 $\text{Å}^\circ\text{C}$	@Temperature -22.0 - 86.0 $\text{Å}^\circ\text{F}$	

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