

SABIC Innovative Plastics LNP THERMOCOMP UX06003 PPA (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyphthalamide (PPA)

Material Notes:

LNP* THERMOCOMP* UX06003 is a compound based on Polyphthalamide resin containing Carbon Fiber. Added features include Electrically Conductive, Mold Release, Heat Stabilized.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-UX06003-PPA-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0010 cm/cm	0.0010 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	275 MPa	39900 psi	5 mm/min; ISO 527
Elongation at Break	1.8 %	1.8 %	5 mm/min; ISO 527
Tensile Modulus	12.6 GPa	1830 ksi	1 mm/min; ISO 527
Flexural Yield Strength	353 MPa	51200 psi	2 mm/min; ISO 178
Flexural Modulus	14.5 GPa	2100 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	7.00 kJ/m ²	3.33 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	40.0 kJ/m ²	19.0 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	12.0 Åµm/m-Å°C	6.67 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	63.0 Åµm/m-Å°C	35.0 Åµin/in-Å°F	ISO 11359-2
	@Temperature 23.0 - 60.0 Å°C	@Temperature 73.4 - 140 Å°F	

Electrical Properties	Metric	English	Comments
Surface Resistance	100 - 10000 ohm	100 - 10000 ohm	ASTM D257

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