

SABIC Innovative Plastics LNP THERMOCOMP PX85100 PA 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

LNP* THERMOCOMP* PX85100 is a compound based on Nylon 6 resin containing Proprietary Filler(s).

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-PX85100-PA-6.php

Physical Properties	Metric	English	Comments
Density	1.39 g/cc	0.0502 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0030 cm/cm	0.0030 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	156 MPa	22600 psi	Type I, 5 mm/min; ASTM D638
	156 MPa	22600 psi	ASTM D638
Elongation at Break	2.7 %	2.7 %	Type I, 5 mm/min; ASTM D638
	2.7 %	2.7 %	ASTM D638
Elongation at Yield	9.0 %	9.0 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	10.34 GPa	1500 ksi	50 mm/min; ASTM D638
Flexural Strength	227 MPa	32900 psi	ASTM D790
Flexural Modulus	8.02 GPa	1160 ksi	1.3 mm/min, 50 mm span; ASTM D790
	8.02 GPa	1160 ksi	ASTM D790
Izod Impact, Notched	0.800 J/cm	1.50 ft-lb/in	ASTM D256
Izod Impact, Unnotched	10.73 J/cm	20.10 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	205 Â°C	401 Â°F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	

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