

SABIC Innovative Plastics LNP THERMOCOMP WX88406 Polyester, TP

Category : Polymer , Thermoplastic , Polyester, TP

Material Notes:

LNP* Thermocomp* WX88406 is a compound based on Polyester, TP resin.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-WX88406-Polyester-TP.php

Physical Properties	Metric	English	Comments
Density	1.49 g/cc	0.0538 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0020 cm/cm	0.0020 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	103 MPa	14900 psi	ASTM D638
	103 MPa	14900 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	2.9 %	2.9 %	ASTM D638
	2.9 %	2.9 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	7.92 GPa	1150 ksi	50 mm/min; ASTM D638
Flexural Strength	165 MPa	23900 psi	ASTM D790
	165 MPa	23900 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	7.06 GPa	1020 ksi	ASTM D790
	7.06 GPa	1020 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.690 J/cm	1.29 ft-lb/in	ASTM D256
Izod Impact, Unnotched	6.81 J/cm	12.8 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	202 Â°C	396 Â°F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	

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