

SABIC Innovative Plastics LNP Thermocomp GX061104 PSU (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polysulfone (PSU)

Material Notes:

LNP* COLORCOMP* GX061104 is a compound based on Polysulfone resin. This data was supplied by SABIC-IP for the Europe-Africa-Middle East region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermocomp-GX061104-PSU-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	ISO 1183
Water Absorption	0.30 % @Temperature 23.0 Â°C, Time 86400 sec	0.30 % @Temperature 73.4 Â°F, Time 24.0 hour	ISO 62-1
Linear Mold Shrinkage, Flow	0.0060 cm/cm	0.0060 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	53.0 MPa	7690 psi	50 mm/min; ISO 527
Tensile Strength, Yield	73.0 MPa	10600 psi	50 mm/min; ISO 527
Elongation at Yield	5.9 %	5.9 %	50 mm/min; ISO 527
Tensile Modulus	2.50 GPa	363 ksi	1 mm/min; ISO 527
Flexural Yield Strength	113 MPa	16400 psi	2 mm/min; ISO 178
Flexural Modulus	2.60 GPa	377 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	7.00 kJ/m ² @Temperature 23.0 Â°C	3.33 ft-lb/in ² @Temperature 73.4 Â°F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	NB @Temperature 23.0 Â°C	NB @Temperature 73.4 Â°F	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	151 Â°C	304 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

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