

SABIC Innovative Plastics LNP THERMOCOMP GX94043L PSU (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polysulfone (PSU)

Material Notes:

LNP* THERMOCOMP* GX94043L is a compound based on Polysulfone resin containing Mineral.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-GX94043L-PSU-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in ³	ISO 1183
Water Absorption	0.28 % @Time 86400 sec	0.28 % @Time 24.0 hour	ISO 62-1
Linear Mold Shrinkage, Flow	0.0025 cm/cm @Time 86400 sec	0.0025 in/in @Time 24.0 hour	ISO 294
Linear Mold Shrinkage, Transverse	0.0035 cm/cm @Time 86400 sec	0.0035 in/in @Time 24.0 hour	ISO 294

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	72.0 MPa	10400 psi	5 mm/min; ISO 527
Elongation at Break	4.3 %	4.3 %	5 mm/min; ISO 527
Tensile Modulus	3.50 GPa	508 ksi	1 mm/min; ISO 527
Flexural Yield Strength	119 MPa	17300 psi	2 mm/min; ISO 178
Flexural Modulus	3.80 GPa	551 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	4.00 kJ/m ²	1.90 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	50.0 kJ/m ²	23.8 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	47.0 µm/m-°C @Temperature 23.0 - 60.0 °C	26.1 µin/in-°F @Temperature 73.4 - 140 °F	ISO 11359-2
CTE, linear, Transverse to Flow	50.0 µm/m-°C @Temperature 23.0 - 60.0 °C	27.8 µin/in-°F @Temperature 73.4 - 140 °F	ISO 11359-2

Deflection Temperature at 1.8 MPa Thermal Properties (104 psi)	176 °C Metric	349 °F English	Flatw 80*10*4 sp=64mm; ISO 75/Af Comments
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