

SABIC Innovative Plastics LNP COLORCOMP J1000 PES (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyethersulfone (PES)

Material Notes:

LNP* COLORCOMP* J1000 is a compound based on Polyethersulfone resin.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-COLORCOMP-J1000-PES-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in ³	ISO 1183
Water Absorption	0.60 % @Time 86400 sec	0.60 % @Time 24.0 hour	ISO 62-1
Linear Mold Shrinkage, Flow	0.010 cm/cm	0.010 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	67.0 MPa	9720 psi	50 mm/min; ISO 527
Tensile Strength, Yield	91.0 MPa	13200 psi	50 mm/min; ISO 527
Elongation at Yield	6.8 %	6.8 %	50 mm/min; ISO 527
Tensile Modulus	2.70 GPa	392 ksi	1 mm/min; ISO 527
Flexural Yield Strength	128 MPa	18600 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	3.33 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	NB	NB	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	59.0 μm/m-°C @Temperature 23.0 - 60.0 °C	32.8 μin/in-°F @Temperature 73.4 - 140 °F	ISO 11359-2
CTE, linear, Transverse to Flow	59.0 μm/m-°C @Temperature 23.0 - 60.0 °C	32.8 μin/in-°F @Temperature 73.4 - 140 °F	ISO 11359-2
Deflection Temperature at 0.46 MPa (66 psi)	216 °C	421 °F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa			

(264 psi) Thermal Properties	201 °C Metric	394 °F English	Flatw 80*10*4 sp=64mm; ISO 75/At Comments
Flammability, UL94	V-0 @Thickness 0.500 mm	V-0 @Thickness 0.0197 in	UL 94

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