

## SABIC Innovative Plastics LNP COLORCOMP J1000E PES (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyethersulfone (PES)

### Material Notes:

LNP\* COLORCOMP\* J1000E is a compound based on PES resin. Added features include: Easy Moulding.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-COLORCOMP-J1000E-PES-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-COLORCOMP-J1000E-PES-Europe-Africa-Middle-East.php)

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in <sup>3</sup>	ISO 1183
Water Absorption	0.90 % @Time 86400 sec	0.90 % @Time 24.0 hour	ISO 62-1
Linear Mold Shrinkage, Flow	0.0090 cm/cm	0.0090 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	65.0 MPa	9430 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	136 MPa	19700 psi	2 mm/min; ISO 178
Flexural Modulus	2.80 GPa	406 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	7.00 kJ/m <sup>2</sup>	3.33 ft-lb/in <sup>2</sup>	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	56.0 µm/m-°C @Temperature 23.0 - 60.0 °C	31.1 µin/in-°F @Temperature 73.4 - 140 °F	ISO 11359-2
CTE, linear, Transverse to Flow	57.0 µm/m-°C @Temperature 23.0 - 60.0 °C	31.7 µin/in-°F @Temperature 73.4 - 140 °F	ISO 11359-2
Deflection Temperature at 1.8 MPa (264 psi)	197 °C	387 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af

## **Contact Songhan Plastic Technology Co.,Ltd.**

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