LNP™ COLORCOMP™ Compound J1000E

PESU — Saudi Basic Industries Corporation (SABIC)

Product Texts

LNP COLORCOMP J1000E compound is based on unfilled Polyethersulfone (PES) resin. Added features of this grade include: Easy Molding.

UL Yellow Card Link E45329-101283858

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**2700**	MPa	ISO 527
Yield stress	**91**	MPa	ISO 527
Yield strain	**6.8**	%	ISO 527
Stress at break	**65**	MPa	ISO 527
Flexural modulus	**2800**	MPa	ISO 178
Izod impact strength, +23°C, 4mm	**N**	kJ/m²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	**7**	kJ/m²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**197**	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	**56**	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	**57**	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	**V-2**	class	IEC 60695-11-10
Thickness tested	**0.4**	mm	-

Other properties	Value	Unit	Test Standard
Density	**1370**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**120 - 150**	°C	-
Pre-drying - Time	**4**	h	-
Processing humidity	**≤0.05**	%	-
Melt temperature	**355 - 370**	°C	-
Mold temperature	**140 - 150**	°C	-
Zone 1	**345 - 355**	°C	-
Zone 2	**360 - 370**	°C	-
Zone 3	**370 - 380**	°C	-
Screw speed	**60 - 100**	rpm	-
Back pressure	**0.3 - 0.7**	MPa	-

Characteristics

Processing
Injection Molding

Regional Availability
North America, Europe, Asia Pacific

Applications
Automotive

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