LNP™ THERMOCOMP™ Compound OF008A - Europe

PPS-GF40 — Saudi Basic Industries Corporation (SABIC)

Product Texts

LNP THERMOCOMP OF008A compound is based on branched Polyphenylene Sulfide (PPS) resin containing 40% glass fiber.

UL Yellow Card Link E45329-101344627

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	**0.3**	%	ISO 294-4, 2577
Molding shrinkage, normal	**1.0**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Stress at break	**182**	MPa	ISO 527
Strain at break	**1.7**	%	ISO 527
Flexural modulus	**14000**	MPa	ISO 178
Izod impact strength, +23°C, 4mm	**45**	kJ/m²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	**9**	kJ/m²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**272**	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	**26**	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	**V-0**	class	IEC 60695-11-10
Thickness tested	**0.5**	mm	-
Burning behav. 5V at thickness h	**5VA**	class	IEC 60695-11-20
Thickness tested	**3.0**	mm	-

Other properties	Value	Unit	Test Standard
Density	**1650**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**120 - 150**	°C	-
Pre-drying - Time	**4**	h	-
Melt temperature	**315 - 320**	°C	-
Mold temperature	**140 - 165**	°C	-
Zone 1	**305 - 315**	°C	-
Zone 2	**320 - 330**	°C	-
Zone 3	**330 - 345**	°C	-
Screw speed	**30 - 60**	rpm	-
Back pressure	**0.2 - 0.3**	MPa	-

Characteristics

Processing

Injection Molding

Regional Availability

Europe