LNP™ COLORCOMP™ Compound N1000E

(PC+ABS) Saudi Basic Industries Corporation (SABIC)

Product Texts

LNP COLORCOMP N1000E compound is based on unfilled Polycarbonate/Acrylonitrile Butadiene Styrene (PC/ABS) blend. Added features of this grade include: Excellent Flow, Impact, High Heat Resistance, Low Temperature Ductility.

UL Yellow Card Link E207780-103938405

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	**19**	g/10min	ASTM D 1238
Temperature	**260**	°C	-
Load	**5**	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	**2270**	MPa	ASTM D 638
Tensile Strength at Yield	**57**	MPa	ASTM D 638
Elongation at Yield	**5**	%	ASTM D 638
Elongation at Break	**100**	%	ASTM D 638
Flexural Modulus	**2340**	MPa	ASTM D 790
Izod Impact notched, 1/8 in	**587**	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	**480**	J/m	ASTM D 256
Temperature	**-30**	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, B	**130**	°C	ISO 306
Burning behav. at thickness h	**HB**	class	IEC 60695-11-10
Thickness tested	**0.8**	mm	-
ASTM Data			
DTUL @ 66 psi	**129**	°C	ASTM D 648
DTUL @ 264 psi	**112**	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	**1150**	kg/m³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**100 - 110**	°C	-
Pre-drying - Time	**3 - 4**	h	-
Processing humidity	**≤0.02**	%	-
Melt temperature	**275 - 300**	°C	-
Mold temperature	**60 - 90**	°C	-
Feed temperature	**60 - 80**	°C	-
Zone 1	**250 - 290**	°C	-
Zone 2	**255 - 295**	°C	-
Zone 3	**260 - 300**	°C	-
Screw speed	**40 - 70**	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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