

SABIC Innovative Plastics LNP Stat-kon DE002E PC (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

LNP* STATKON* DE002E is a compound based on Polycarbonate resin containing Carbon Fiber. Added features include; Easy Molding. This data was supplied by SABIC-IP for the Europe-Africa-Middle East region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Stat-kon-DE002E-PC-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	ISO 1183
Water Absorption	0.21 %	0.21 %	ISO 62-1
	@Temperature 23.0 °C, Time 86400 sec	@Temperature 73.4 °F, Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0017 cm/cm	0.0017 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	117 MPa	17000 psi	5 mm/min; ISO 527
Elongation at Break	1.8 %	1.8 %	5 mm/min; ISO 527
	2.9 %	2.9 %	Flexural Strain, 2 mm/min; ISO 178
Tensile Modulus	8.60 GPa	1250 ksi	1 mm/min; ISO 527
Flexural Strength	150 MPa	21800 psi	2 mm/min; ISO 178
Flexural Yield Strength	157 MPa	22800 psi	2 mm/min; ISO 178
Flexural Modulus	6.50 GPa	943 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
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Izod Impact, Unnotched (ISO)	30.0 kJ/m ²	14.3 ft-lb/in ²	80*10*4; ISO 180/1U
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	139 °C	282 °F	Flatw 80*10*4 sp=64mm; ISO 75/ Af

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