

SABIC Innovative Plastics LNP Faradex NSL121 PC+ABS (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Antistat/Conductive , Polycarbonate (PC)

Material Notes:

LNP* Faradex* NSL121 is a compound based on PC+ABS Blend resin containing Stainless Steel Fiber, PTFE, Flame Retardant. Added features include: Electrically Conductive, EMI/RFI Shielding, Internally Lubricated, Flame Retardant. 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-Faradex-NSL121-PCABS-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0060 cm/cm	0.0060 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	54.0 MPa	7830 psi	5 mm/min; ISO 527
Elongation at Yield	4.1 %	4.1 %	5 mm/min; ISO 527
Tensile Modulus	2.90 GPa	421 ksi	1 mm/min; ISO 527
Flexural Yield Strength	92.0 MPa	13300 psi	2 mm/min; ISO 178
Flexural Modulus	2.90 GPa	421 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	5.00 kJ/m ² @Temperature 23.0 °C	2.38 ft-lb/in ² @Temperature 73.4 °F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	35.0 kJ/m ² @Temperature 23.0 °C	16.7 ft-lb/in ² @Temperature 73.4 °F	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	57.0 μm/m-°C	31.7 μin/in-°F	ISO 11359-2
	@Temperature 23.0 - 60.0 °C	@Temperature 73.4 - 140 °F	
CTE, linear, Transverse to Flow	70.0 μm/m-°C	38.9 μin/in-°F	ISO 11359-2
	@Temperature 23.0 - 60.0 °C	@Temperature 73.4 - 140 °F	
Deflection Temperature at 1.8 MPa (264 psi)	92.0 °C	198 °F	Flatw 80*10*4 sp=64mm; ISO 75/ Af
	V-2	V-2	

Thermal Properties	Metric @ Thickness 1.60 mm	English @ Thickness 0.0630 in	UL 94 by SABIC-IP Comments
Electrical Properties	Metric	English	Comments
Surface Resistance	100 - 10000 ohm	100 - 10000 ohm	ASTM D 257

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