

SABIC Innovative Plastics LNP Faradex AS0029 ABS (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Stainless Steel Fiber Filled

Material Notes:

LNP* Faradex* AS-1002 FR is a compound based on Acrylonitrile Butadiene Styrene resin containing Flame Retardant, Stainless Steel Fiber. Added features of this material include: Flame Retardant, EMI/RFI Shielding. 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-AS0029-ABS-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	on tensile bar; SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	40.0 MPa	5800 psi	5 mm/min; ISO 527
Elongation at Yield	1.8 %	1.8 %	5 mm/min; ISO 527
Tensile Modulus	3.00 GPa	435 ksi	1 mm/min; ISO 527
Flexural Yield Strength	69.0 MPa	10000 psi	2 mm/min; ISO 178
Flexural Modulus	2.80 GPa	406 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	4.00 kJ/m ² @Temperature 23.0 °C	1.90 ft-lb/in ² @Temperature 73.4 °F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	10.0 kJ/m ² @Temperature 23.0 °C	4.76 ft-lb/in ² @Temperature 73.4 °F	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	66.0 μm/m-°C	36.7 μin/in-°F	ISO 11359-2
	@Temperature 23.0 - 60.0 °C	@Temperature 73.4 - 140 °F	
CTE, linear, Transverse to Flow	83.0 μm/m-°C	46.1 μin/in-°F	ISO 11359-2
	@Temperature 23.0 - 60.0 °C	@Temperature 73.4 - 140 °F	
Deflection Temperature at 0.46 MPa (66 psi)	85.0 °C	185 °F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa	74.0 °C	165 °F	

<small>(264 psi)</small> Thermal Properties	Metric	English	Flatw 80*10*4 sp=64mm; ISO 75/AF Comments
Flammability, UL94	V-0 @Thickness 2.50 mm	V-0 @Thickness 0.0984 in	UL 94

Electrical Properties	Metric	English	Comments
Surface Resistance	100 - 10000 ohm	100 - 10000 ohm	ASTM D 257

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