

LNP* Faradex* Compound EX06464

Americas: COMMERCIAL

Also known as: EX06464

Product Reorder Name: EX06464

LNP* Faradex* EX06464 is a compound based on Polyetherimide resin containing Stainless Steel. Added features of this material include: Electrically Conductive, EMI/RFI Shielding.

Property

TYPICAL PROPERTIES ⁽¹⁾			
MECHANICAL	Value	Unit	Standard
Tensile Stress, break	109	MPa	ASTM D 638
Tensile Strain, break	3.4	%	ASTM D 638
Tensile Modulus, 50 mm/min	5860	MPa	ASTM D 638
Flexural Stress	199	MPa	ASTM D 790
Flexural Modulus	5860	MPa	ASTM D 790
Tensile Stress, break	100	MPa	ISO 527
Tensile Strain, break	3.1	%	ISO 527
Tensile Modulus, 1 mm/min	590	MPa	ISO 527
Flexural Stress	197	MPa	ISO 178
Flexural Modulus	5400	MPa	ISO 178
IMPACT	Value	Unit	Standard
Izod Impact, unnotched, 23°C	496	J/m	ASTM D 4812
Izod Impact, notched, 23°C	37	J/m	ASTM D 256
Izod Impact, unnotched 80*10*4 +23°C	33	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	5	kJ/m ²	ISO 180/1A
THERMAL	Value	Unit	Standard
HDT, 1.82 MPa, 3.2mm, unannealed	200	°C	ASTM D 648
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	203	°C	ISO 75/Af
PHYSICAL	Value	Unit	Standard
Density	1.5	g/cm ³	ASTM D 792
Mold Shrinkage, flow, 24 hrs	47	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	61	%	ASTM D 955
ELECTRICAL	Value	Unit	Standard
Surface Resistivity	1.E+01 - 1.E+04	Ohm	ASTM D 257
Shielding Effectiveness @ 3mm	55 - 65	dB	SABIC Method

Source GMD, last updated:10/09/2006

Processing

THESE PROPERTY VALUES ARE NOT INTENDED FOR SPECIFICATION PURPOSES.

PLEASE CHECK WITH YOUR [\(LOCAL SALES OFFICE\)](#) FOR AVAILABILITY IN YOUR REGION

(1) Typical values only. Variations within normal tolerances are possible for various colors. All values are measured after at least 48 hours storage at 23°C/50% relative humidity. All properties, except the melt volume and melt flow rates, are measured on injection molded samples. All samples tested under ISO test standards are prepared according to ISO 294.

(2) Only typical data for selection purposes. Not to be used for part or tool design.

(3) This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

(4) Internal measurements according to UL standards.

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