

LNP™ FARADEX™ AS004 compound

Acrylonitrile Butadiene Styrene
SABIC Innovative Plastics Europe

Message:

LNP FARADEX AS004 is a compound based on Acrylonitrile Butadiene Styrene resin containing Stainless Steel Fiber. Added features of this material include: EMI/RFI Shielding.
Also known as: LNP* FARADEX* Compound AS-1004
Product reorder name: AS004

General Information			
Filler / Reinforcement	Stainless Steel Fiber		
Features	Electromagnetic Shielding (EMI)		
	Radio Frequency Shielding (RFI)		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹	0.30 to 0.50	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3400	MPa	ISO 527-2/1
Tensile Stress (Yield)	44.0	MPa	ISO 527-2/5
Tensile Strain (Yield)	2.1	%	ISO 527-2/5
Flexural Modulus ²	3100	MPa	ISO 178
Flexural Stress	60.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	5.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	15	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵			
0.45 MPa, Unannealed, 64.0 mm Span	98.0	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	86.0	°C	ISO 75-2/Af
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	10 to 1.0E+3	ohms	ASTM D257
NOTE			
1.	Tensile Bar		
2.	2.0 mm/min		
3.	80*10*4		
4.	80*10*4		
5.	80*10*4 mm		

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Recommended distributors for this material

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