

LNP™ FARADEX™ AX88130 compound

Acrylonitrile Butadiene Styrene

SABIC Innovative Plastics

Message:

LNP* FARADEX* AX88130 is a compound based on ABS resin containing Stainless Steel Fiber. Added feature of this grade is EMI/RFI Shielding.
Also known as: LNP* FARADEX* Compound EMI-X PDX-A-88130
Product reorder name: AX88130

General Information			
Filler / Reinforcement	Stainless steel fiber		
Features	Electromagnetic shielding (EMI)		
	Radio frequency shielding (RFI)		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792
shrinkage-Flow (23°C, 48 hr)	0.50	%	Internal method
Water Absorption (24 hr, 50% RH)	0.30	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	52.0	MPa	ASTM D638
Tensile Elongation ² (Break)	3.0 - 4.0	%	ASTM D638
Flexural Modulus ³ (50.0 mm Span)	3450	MPa	ASTM D790
Flexural Strength ⁴ (Break, 50.0 mm Span)	93.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	59	J/m	ASTM D256
Unnotched Izod Impact (23°C)	160 - 210	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	93.0	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+3	ohms	ASTM D257
Volume Resistivity	1.0E+3	ohms · cm	IEC 60093
NOTE			
1.	Type 1, 5.0 mm/min		
2.	Type 1, 5.0 mm/min		
3.	1.3 mm/min		
4.	1.3 mm/min		

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