LNP™ FARADEX™ COMPOUND AX88130

EMI-X PDX-A-88130

DESCRIPTION

LNP* FARADEX* AX88130 is a compound based on ABS resin containing Stainless Steel Fiber. Added feature of this grade is EMI/RFI Shielding.

TYPICAL PROPERTY VALUES

Revision 20191219

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, brk, Type I, 5 mm/min	52	MPa	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	3 – 4	%	ASTM D 638
Flexural Stress, brk, 1.3 mm/min, 50 mm span	93	MPa	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	3440	MPa	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	160 – 214	J/m	ASTM D 4812
Izod Impact, notched, 23°C	58	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	93	°C	ASTM D 648
PHYSICAL			
Specific Gravity	1.13	-	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.3	%	ASTM D 570
Mold Shrinkage, 48 hrs @ 23°C, flow	0.5 – 0.5	%	SABIC method
ELECTRICAL			
Surface Resistivity	1.E+03	Ohm	ASTM D 257
Volume Resistivity	1.E+03	Ohm-cm	IEC 60093
INJECTION MOLDING			
Drying Temperature	80	°C	
Drying Time	4	hrs	
Maximum Moisture Content	0.05 – 0.1	%	
Melt Temperature	260	°C	
Front - Zone 3 Temperature	265 – 275	°C	
Middle - Zone 2 Temperature	230 – 245	°C	
Rear - Zone 1 Temperature	205 – 215	°C	
Mold Temperature	70 – 80	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	

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