

LNPTM FARADEXTM COMPOUND ZX93134

DESCRIPTION

LNP FARADEX ZX93134 is a compound based on PPE+PS Blend resin containing Stainless Steel Fiber and Glass Fiber. Added features include: Electrically Conductive, EMI/RFI Shielding.

TYPICAL PROPERTY VALUES

Revision 20191211

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield, 5 mm/min	81	MPa	ISO 527
Tensile Strain, break, 5 mm/min	1.3	%	ISO 527
Flexural Stress, yield, 2 mm/min	120	MPa	ISO 178
Flexural Modulus, 2 mm/min	5300	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	25	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	7	kJ/m ²	ISO 180/1A
THERMAL			
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	137	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage, flow	0.2 – 0.4	%	SABIC method
Density	1.3	g/cm ³	ISO 1183
ELECTRICAL			
Surface Resistivity	1.E+01 – 1.E+03	Ohm	ASTM D 257
Shielding Effectivness @ 3mm	50 – 60	dB	SABIC method
INJECTION MOLDING			
Drying Temperature	120	°C	
Drying Time	4	hrs	
Melt Temperature	300 – 305	°C	
Front - Zone 3 Temperature	300 – 310	°C	
Middle - Zone 2 Temperature	290 – 300	°C	
Rear - Zone 1 Temperature	275 – 290	°C	
Mold Temperature	80 – 110	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	

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