

LNP™ FARADEX™ ZX93134 compound

Polyphenylene Ether + PS

SABIC Innovative Plastics Europe

Message:

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.

General Information			
Filler / Reinforcement	Glass Fiber\Stainless Steel Fiber		
Features	Electrically Conductive		
	Electromagnetic Shielding (EMI)		
	Radio Frequency Shielding (RFI)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.30	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.20 to 0.40	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	81.0	MPa	ISO 527-2/5
Tensile Strain (Break)	1.3	%	ISO 527-2/5
Flexural Modulus ¹	5300	MPa	ISO 178
Flexural Stress	120	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	7.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	25	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴ (1.8 MPa, Unannealed, 64.0 mm Span)	137	°C	ISO 75-2/Af
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	10 to 1.0E+3	ohms	ASTM D257
Shielding Effectiveness (3.00 mm)	50 to 60	dB	Internal Method
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Rear Temperature	277 to 288	°C	
Middle Temperature	288 to 299	°C	
Front Temperature	299 to 310	°C	
Processing (Melt) Temp	299 to 304	°C	
Mold Temperature	82.2 to 110	°C	
Back Pressure	0.172 to 0.344	MPa	

Screw Speed	30 to 60	rpm
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NOTE

- | | |
|----|------------|
| 1. | 2.0 mm/min |
| 2. | 80*10*4 |
| 3. | 80*10*4 |
| 4. | 80*10*4 mm |

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