

**LNP™ FARADEx™ Compound ZX93134**

(PPE+PS)-(MEF(x)+GF)

Saudi Basic Industries Corporation (SABIC)

**Product Texts**

LNP FARADEx ZX93134 compound is based on Polyphenylene Ether / Polystyrene (PPE/PS) blend containing stainless steel fiber and glass fiber. Added features of this grade include: Electrically Conductive, EMI/RFI shielding.

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Yield stress	<b>81</b>	MPa	ISO 527
Strain at break	<b>1.3</b>	%	ISO 527
Flexural modulus	<b>5300</b>	MPa	ISO 178
Izod impact strength, +23°C, 4mm	<b>25</b>	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	<b>7</b>	kJ/m <sup>2</sup>	ISO 180/1A

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>137</b>	°C	ISO 75-1/-2

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Surface Resistivity	<b>1000</b>	Ohm	ASTM D 257

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1300</b>	kg/m <sup>3</sup>	ISO 1183

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>120</b>	°C	-
Pre-drying - Time	<b>4</b>	h	-
Melt temperature	<b>300 - 305</b>	°C	-
Mold temperature	<b>80 - 110</b>	°C	-
Zone 1	<b>275 - 290</b>	°C	-
Zone 2	<b>290 - 300</b>	°C	-
Zone 3	<b>300 - 310</b>	°C	-
Screw speed	<b>30 - 60</b>	rpm	-
Back pressure	<b>0.2 - 0.3</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Increased electrical conductivity

**Features**

EMI Attenuation/Shielding

**Regional Availability**

North America, Europe, Asia Pacific