

LNP™ FARADEx™ Compound AX88130

ABS-MEF(x)

Saudi Basic Industries Corporation (SABIC)

Product Texts

LNP FARADEx AX88130 compound is based on Acrylonitrile Butadiene Styrene (ABS) resin containing stainless steel fiber. Added features of this grade include: Electrically Conductive, EMI/RFI shielding.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Break	52	MPa	ASTM D 638
Elongation at Break	3.5	%	ASTM D 638
Flexural Modulus	3440	MPa	ASTM D 790
Izod Impact notched, 1/8 in	58	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	93	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	10	Ohm*m	IEC 62631-3-1
ASTM Data			
Surface Resistivity	1000	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.3	%	ASTM D 570
Density	1130	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.1	%	-
Melt temperature	260	°C	-
Mold temperature	70 - 80	°C	-
Zone 1	205 - 215	°C	-
Zone 2	230 - 245	°C	-
Zone 3	265 - 275	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Features

EMI Attenuation/Shielding

Special Characteristics

Increased electrical conductivity

Regional Availability

North America, Europe, Asia Pacific