

Product Texts

LNP FARADEx AS004 compound is based on Acrylonitrile Butadiene Styrene (ABS) resin containing 20% stainless steel fiber. Added features of this grade include: Electrically Conductive, EMI/RFI shielding.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	3400	MPa	ISO 527
Yield stress	44	MPa	ISO 527
Yield strain	2.1	%	ISO 527
Flexural modulus	3100	MPa	ISO 178
Izod impact strength, +23°C, 4mm	15	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	5	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	86	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	98	°C	ISO 75-1/-2

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	1000	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1170	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.1	%	-
Melt temperature	240 - 255	°C	-
Mold temperature	70 - 95	°C	-
Zone 1	210 - 220	°C	-
Zone 2	230 - 245	°C	-
Zone 3	255 - 265	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Increased electrical conductivity

Features

EMI Attenuation/Shielding

Regional Availability

North America, Europe, Asia Pacific