LNP™ STAT-KON™ Compound AE003 - Europe

ABS-CF15 | Saudi Basic Industries Corporation (SABIC)

Product Texts

LNP STAT-KON AE003 compound is based on Acrylonitrile Butadiene Styrene (ABS) resin containing 15% carbon fiber. Added features of this grade include: Electrically Conductive.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**9900**	MPa	ISO 527
Stress at break	**52**	MPa	ISO 527
Strain at break	**1**	%	ISO 527
Flexural modulus	**7100**	MPa	ISO 178
Izod impact strength, +23°C, 4mm	**16**	kJ/m²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	**7**	kJ/m²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**99**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**104**	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	**20**	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	**97**	E-6/K	ISO 11359-1/-2

Other properties	Value	Unit	Test Standard
Density	**1100**	kg/m³	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	**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

Regional Availability

Europe

Special Characteristics

Increased electrical conductivity