LNP™ STAT-KON™ Compound KE004 - Europe

POM-CF20 — Saudi Basic Industries Corporation (SABIC)

Product Texts

LNP STAT-KON KE004 compound is based on POM (Acetal) copolymer resin containing 20% carbon fiber. Added features of this grade include: Electrically Conductive.

UL Yellow Card Link E45329-101284423

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Stress at break	**116**	MPa	ISO 527
Strain at break	**1**	%	ISO 527
Flexural modulus	**13100**	MPa	ISO 178
Izod impact strength, +23°C, 4mm	**25**	kJ/m²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	**5**	kJ/m²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at 1.5 mm nom. thickn.	**HB**	class	IEC 60695-11-10
Thickness tested	**1.5**	mm	-

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	**1000000**	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	**1470**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**4**	h	-
Melt temperature	**200 - 215**	°C	-
Mold temperature	**80 - 110**	°C	-
Zone 1	**175 - 190**	°C	-
Zone 2	**195 - 205**	°C	-
Zone 3	**210 - 220**	°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