LNP™ STAT-KON™ KE004 compound

Acetal (POM) Copolymer

SABIC Innovative Plastics

Message:

LNP STAT-KON KE004 is a compound based on Acetal Copolymer resin containing Carbon Fiber. Added features of this material include: Electrically Conductive.
Also known as: LNP* STAT-KON* Compound KC-1004
Product reorder name: KE004

General Information			
UL YellowCard	E45329-101284423		
Filler / Reinforcement	Carbon fiber reinforced material		
Features	Conductivity		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.45	g/cm³	ISO 1183
Molding Shrinkage - Flow [1]	0.20 - 0.50	%	Internal method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Break)	116	MPa	ISO 527-2/5
Tensile Strain (Break)	1.0	%	ISO 527-2/5
Flexural Modulus [2]	13100	MPa	ISO 178
Flexural Stress	164	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact [3] (23°C)	5.0	kJ/m²	ISO 180/1A
Unnotched Izod Impact Strength [4] (23°C)	30	kJ/m²	ISO 180/1U
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+2 - 1.0E+4	ohms	ASTM D257
Injection	**Nominal Value**	**Unit**	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Rear Temperature	177 - 188	°C	
Middle Temperature	193 - 204	°C	
Front Temperature	210 - 221	°C	
Processing (Melt) Temp	199 - 216	°C	
Mold Temperature	82.2 - 110	°C	
Back Pressure	0.172 - 0.344	MPa	
Screw Speed	30 - 60	rpm	
NOTE			
1.	Tensile Bar		
2.	2.0 mm/min		

3.	80*10*4
4.	80*10*4

Recommended distributors for this material

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