

LNP™ STAT-KON™ OE004A compound

Branched Polyphenylene Sulfide

SABIC Innovative Plastics Europe

Message:

LNP* STATKON* OE004A is a compound based on PPS (branched) resin containing Carbon Fiber. Added features include: Electrically Conductive. (only Black is UL listed)
Also known as: LNP* STAT-KON* Compound OC-1004
Product reorder name: OE004A

General Information			
UL YellowCard	E45329-101343836		
Filler / Reinforcement	Carbon Fiber		
Features	Branched Polymer Structure		
	Electrically Conductive		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.41	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.10 to 0.30	%	Internal Method
Water Absorption (23°C, 24 hr)	0.040	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	21600	MPa	ISO 527-2/1
Tensile Stress (Yield)	185	MPa	ISO 527-2/5
Tensile Strain (Break)	1.1	%	ISO 527-2/5
Flexural Modulus ¹	15700	MPa	ISO 178
Flexural Stress	242	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	5.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	25	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
0.45 MPa, Unannealed, 64.0 mm Span	277	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	256	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	1.1E-5	cm/cm/°C	
Transverse : 23 to 60°C	5.0E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	10 to 1.0E+4	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-0		UL 94

Injection	Nominal Value	Unit
Drying Temperature	121 to 149	°C
Drying Time	4.0	hr
Rear Temperature	304 to 316	°C
Middle Temperature	321 to 332	°C
Front Temperature	332 to 343	°C
Processing (Melt) Temp	316 to 321	°C
Mold Temperature	138 to 166	°C
Back Pressure	0.172 to 0.344	MPa
Screw Speed	30 to 60	rpm

NOTE

- | | |
|----|------------|
| 1. | 2.0 mm/min |
| 2. | 80*10*4 |
| 3. | 80*10*4 |
| 4. | 80*10*4 mm |

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