

LNP™ STAT-KON™ ZEF061XC compound

Polyphenylene Ether + PS

SABIC Innovative Plastics Europe

Message:

LNP STAT-KON ZEF061XC is a compound based on Polyphenyleneoxide resin containing Glass Fiber, Milled Carbon Fiber and Flame Retardant. Added

Features include: Electrically Conductive

Also known as: LNP* STAT-KON* Compound ZCF-1006 FR HP

Product reorder name: ZEF061XC

General Information			
Filler / Reinforcement	Glass Fiber		
	Milled Carbon Fiber		
Additive	Flame Retardant		
Features	Electrically Conductive		
	Flame Retardant		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.30	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.10 to 0.30	%	Internal Method
Water Absorption (23°C, 24 hr)	0.11	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12100	MPa	ISO 527-2/1
Tensile Stress (Yield)	97.0	MPa	ISO 527-2/5
Tensile Strain (Break)	1.3	%	ISO 527-2/5
Flexural Modulus ¹	9500	MPa	ISO 178
Flexural Stress	124	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)	15	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
0.45 MPa, Unannealed, 64.0 mm Span	133	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	127	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	2.5E-5	cm/cm/°C	
Transverse : 23 to 60°C	8.8E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+3 to 1.0E+6	ohms	ASTM D257

Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm, Testing by SABIC)	V-1		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	110 to 120	°C	
Drying Time	4.0	hr	
Rear Temperature	240 to 265	°C	
Middle Temperature	250 to 270	°C	
Front Temperature	255 to 275	°C	
Nozzle Temperature	255 to 280	°C	
Mold Temperature	70.0 to 110	°C	
Back Pressure	0.170 to 0.340	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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