

LNP™ STAT-KON™ ZX05009 compound

Polyphenylene Ether + PS
SABIC Innovative Plastics Europe

Message:

LNP STAT-KON ZX05009 is a compound based on PPE+PS Blend resin containing Carbon Fiber. Added features of this material include: Electrically Conductive.
Also known as: LNP* STAT-KON* Compound PDXZ05009
Product reorder name: ZX05009

General Information			
Filler / Reinforcement	Carbon fiber reinforced material		
Features	Conductivity		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
	1.15		
Density	1.15	g/cm ³	ISO 1183
	0.20 - 0.40		
Molding Shrinkage - Flow (24 hr)	0.20	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
	10000		
Tensile Modulus	10000	MPa	ISO 527-2/1
	81.0		
Tensile Stress (Break)	81.0	MPa	ISO 527-2/5
	1.0		
Tensile Strain (Break)	1.0	%	ISO 527-2/5

	7600		
Flexural Modulus ¹	7600	MPa	ISO 178
	101		
Flexural Stress	101	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
	5.0		
Notched Izod Impact ² (23°C)	5.0	kJ/m ²	ISO 180/1A
	10		
Unnotched Izod Impact Strength ³ (23°C)	10	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
	141		
0.45 MPa, unannealed, 64.0mm span	141	°C	ISO 75-2/Bf
	135		
1.8 MPa, unannealed, 64.0mm span	135	°C	ISO 75-2/Af
Electrical	Nominal Value	Unit	Test Method
	1.0E+2 - 1.0E+3		
Surface Resistivity	1.0E+2	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Rear Temperature	277 - 288	°C	
Middle Temperature	288 - 299	°C	
Front Temperature	299 - 310	°C	
Processing (Melt) Temp	299 - 304	°C	
Mold Temperature	82.2 - 110	°C	

Back Pressure	0.172 - 0.344	MPa
Screw Speed	30 - 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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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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