

LNP™ STAT-KON™ DE0026E compound

Polycarbonate

SABIC Innovative Plastics Europe

Message:

LNP STAT-KON DE0026E is a compound based on Polycarbonate resin containing Flame Retardant, Carbon Fiber. Added features of this material include: Electrically Conductive, Flame Retardant.

Also known as: LNP* STAT-KON* Compound DC-FR

Product reorder name: DE0026E

General Information			
UL YellowCard	E45329-101357490		
Filler / Reinforcement	Carbon Fiber		
Features	Electrically Conductive		
	Flame Retardant		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8000	MPa	ISO 527-2/1
Tensile Stress (Yield)	117	MPa	ISO 527-2/5
Tensile Strain (Yield)	2.7	%	ISO 527-2/5
Flexural Modulus ¹	10900	MPa	ISO 178
Flexural Stress	182	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	10	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³			
0.45 MPa, Unannealed, 64.0 mm Span	143	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	140	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	1.8E-5	cm/cm/°C	
Transverse : 23 to 60°C	7.4E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 to 1.0E+6	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (2.00 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	293 to 304	°C	

Middle Temperature	310 to 321	°C
Front Temperature	321 to 332	°C
Processing (Melt) Temp	304 to 327	°C
Mold Temperature	82.2 to 110	°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 mm	

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