

LNP™ STAT-KON™ DFD029 compound

Polycarbonate

SABIC Innovative Plastics Europe

Message:

LNP* Stat-kon* DFD029 is a compound based on Polycarbonate resin containing Glass Fiber, Flame Retardant, Carbon Powder. Added features of this material include: Electrically Conductive, Flame Retardant.

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

Product reorder name: DFD029

General Information			
UL YellowCard	E45329-101283855		
Filler / Reinforcement	Glass\Carbon Powder		
Additive	Flame Retardant		
Features	Electrically Conductive		
	Flame Retardant		
RoHS Compliance	RoHS Compliant		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4100	MPa	ISO 527-2/1
Tensile Stress (Break)	75.0	MPa	ISO 527-2/5
Tensile Strain (Break)	2.7	%	ISO 527-2/5
Flexural Modulus ¹	3700	MPa	ISO 178
Flexural Stress	105	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	6.0	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³			
0.45 MPa, Unannealed, 64.0 mm Span	147	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	141	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	4.5E-5	cm/cm/°C	
Transverse : 23 to 60°C	6.8E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+4 to 1.0E+9	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.80 mm, Testing by SABIC)	V-0		UL 94
NOTE			
1.	2.0 mm/min		
2.	80*10*4		
3.	80*10*4 mm		

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Recommended distributors for this material

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