

LNP™ STAT-KON™ DEL329EP compound

Polycarbonate

SABIC Innovative Plastics Europe

Message:

LNP STAT-KON DEL329EP is a compound based on Polycarbonate resin containing Carbon Fiber, PTFE, Flame Retardant. Added features include:

Electrically Conductive, Internally Lubricated, Flame retardant.

Also known as: LNP* STAT-KON* Compound DCL-4032 FR

Product reorder name: DEL329EP

General Information			
UL YellowCard	E45329-101344449		
Filler / Reinforcement	Carbon Fiber		
Additive	PTFE Lubricant		
Features	Electrically Conductive		
	Flame Retardant		
	Lubricated		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.35	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.10 to 0.30	%	Internal Method
Water Absorption (23°C, 24 hr)	0.22	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8600	MPa	ISO 527-2/1
Tensile Stress (Yield)	103	MPa	ISO 527-2/5
Tensile Strain (Break)	1.6	%	ISO 527-2/5
Flexural Modulus ¹	7200	MPa	ISO 178
Flexural Stress	143	MPa	ISO 178
Flexural Strain at Break ²	2.5	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	6.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	20	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵			
0.45 MPa, Unannealed, 64.0 mm Span	144	°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	8.2E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method

Surface Resistivity	1.0E+2 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	°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.	2 mm/min		
3.	80*10*4		
4.	80*10*4		
5.	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

