

LNP™ STAT-KON™ DX89795 compound

Polycarbonate

SABIC Innovative Plastics Europe

Message:

LNP STAT-KON DX89795 is a compound based on Polycarbonate resin containing Carbon Powder. Added features include: Electrically Conductive, Easy Molding, Mold Release.

Also known as: LNP* STAT-KON* Compound PDX-D-89795

Product reorder name: DX89795

General Information			
UL YellowCard	E45329-101283863		
Filler / Reinforcement	Carbon Powder		
Additive	Mold Release		
Features	Electrically Conductive		
	Good Moldability		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.60	%	Internal Method
Water Absorption (23°C, 24 hr)	0.34	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2600	MPa	ISO 527-2/1
Tensile Stress (Yield)	58.0	MPa	ISO 527-2/5
Tensile Strain (Yield)	4.8	%	ISO 527-2/5
Flexural Modulus ¹	2500	MPa	ISO 178
Flexural Stress	95.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	10	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	140	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴ (1.8 MPa, Unannealed, 64.0 mm Span)	126	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	7.0E-5	cm/cm/°C	
Transverse : 23 to 60°C	7.2E-5	cm/cm/°C	
RTI Elec	80.0	°C	UL 746
RTI Imp	80.0	°C	UL 746
RTI Str	80.0	°C	UL 746
Electrical	Nominal Value	Unit	Test Method

Surface Resistivity	1.0E+3 to 1.0E+5	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		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		
4.	80*10*4 mm		

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