

LNP™ STAT-KON™ DX04489C compound

Polycarbonate
SABIC Innovative Plastics

Message:

LNP STAT-KON* DX04489C is a high modulus compound based on Polycarbonate resin containing Proprietary Filler(s). Added features of this material include: Clean Compounding System, Electrically Conductive.
Also known as: LNP* STAT-KON* Compound PDX-D-04489 CCS
Product reorder name: DX04489C

General Information			
UL YellowCard	E121562-101345278		
Filler / Reinforcement	Proprietary		
Features	Electrically Conductive		
	Low (to None) Ion Content		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792
Molding Shrinkage - Across Flow (24 hr)	0.30	%	ASTM D955
Water Absorption (24 hr, 50% RH)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	16600	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	130	MPa	
Break	111	MPa	
Tensile Elongation			ASTM D638
Yield	2.2	%	
Break	2.4	%	
Flexural Modulus	15500	MPa	ASTM D790
Flexural Strength	207	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	59	J/m	ASTM D256
Unnotched Izod Impact (23°C)	480	J/m	ASTM D4812
Instrumented Dart Impact (23°C, Energy at Peak Load)	11.5	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	140	°C	ASTM D648
CLTE			ASTM E831
Flow : -40 to 40°C	1.6E-5	cm/cm/°C	
Transverse : -40 to 40°C	4.1E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method

Surface Resistivity	1.0E+2 to 1.0E+6	ohms	ASTM D257
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. 50 mm/min

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Recommended distributors for this material

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