

LNP™ STAT-KON™ DX04403 compound

Polycarbonate

SABIC Innovative Plastics

Message:

LNP STAT-KON* DX04403 is a compound based on Polycarbonate resin containing Proprietary Filler(s). Added features of this material include: Electrically Conductive, Flame Retardant.

Also known as: LNP* STAT-KON* Compound PDX-D-04403

Product reorder name: DX04403

General Information			
UL YellowCard	E121562-101283799		
Filler / Reinforcement	Proprietary		
Features	Electrically Conductive		
	Flame Retardant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow : 24 hr	0.30	%	
Across Flow : 24 hr	0.40	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Break	90.0	MPa	
Break ¹	90.1	MPa	
Tensile Elongation			ASTM D638
Break	6.3	%	
Break ²	6.3	%	
Flexural Strength			ASTM D790
--	142	MPa	
Break, 50.0 mm Span ³	142	MPa	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	64	J/m	ASTM D256
Unnotched Izod Impact (23°C)	580	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.20 mm	143	°C	
1.8 MPa, Unannealed, 3.20 mm	140	°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+6 to 1.0E+9	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. Type I, 5.0 mm/min
2. Type I, 5.0 mm/min
3. 1.3 mm/min

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