

LNP™ STAT-KON™ DX03571 compound

Polycarbonate
SABIC Innovative Plastics

Message:

LNP STAT-KON DX03571 is a compound based on Polycarbonate resin containing Proprietary Filler(s). Added features of this material include: Electrically Conductive.
Also known as: LNP* STAT-KON* Compound PDX-D-03571
Product reorder name: DX03571

General Information			
Filler / Reinforcement	Proprietary		
Features	Electrically Conductive		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2900	MPa	ASTM D638
Tensile Strength			ASTM D638
Break	60.7	MPa	
Break ²	60.7	MPa	
Tensile Elongation			ASTM D638
Break	4.0	%	
Break ³	4.0	%	
Flexural Modulus			ASTM D790
--	2830	MPa	
50.0 mm Span ⁴	2830	MPa	
Flexural Strength			ASTM D790
--	96.5	MPa	
Break, 50.0 mm Span ⁵	96.5	MPa	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Unnotched Izod Impact (23°C)	1100	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	121	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 to 1.0E+4	ohms	ASTM D257
Volume Resistivity	1.0E+2 to 1.0E+4	ohms · cm	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
2. Type I, 5.0 mm/min
3. Type I, 5.0 mm/min
4. 1.3 mm/min
5. 1.3 mm/min

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

