

LNP™ STAT-KON™ DEL339XF compound

Polycarbonate
SABIC Innovative Plastics

Message:

LNP STAT-KON DEL339XF is a compound based on Polycarbonate resin containing 15% Carbon Fiber, 15% PTFE. Added features include: Electrically Conductive, Flame Retardant, Wear Resistant.
Also known as: LNP* STAT-KON* Compound DCL-4033 FR
Product reorder name: DEL339XF

General Information			
UL YellowCard	E121562-101343403		
Filler / Reinforcement	Carbon Fiber,15% Filler by Weight		
Additive	PTFE Lubricant (15%)		
Features	Electrically Conductive		
	Flame Retardant		
	Good Wear Resistance		
	Lubricated		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.39	g/cm³	ASTM D792
--	1.38	g/cm³	ISO 1183
Molding Shrinkage			
Flow : 24 hr	0.20 to 0.40	%	ASTM D955
Across Flow : 24 hr	0.30 to 0.50	%	ASTM D955
Across Flow : 24 hr	0.40	%	ISO 294-4
Flow : 24 hr	0.31	%	ISO 294-4
Water Absorption (24 hr, 50% RH)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	10300	MPa	ASTM D638
--	11000	MPa	ISO 527-2/1
Tensile Strength			
Yield	114	MPa	ASTM D638
Yield	112	MPa	ISO 527-2
Break	114	MPa	ASTM D638
Break	112	MPa	ISO 527-2
Tensile Elongation			
Yield	1.8	%	ASTM D638
Yield	1.6	%	ISO 527-2

Break	1.8	%	ASTM D638
Break	1.6	%	ISO 527-2
Flexural Modulus			
--	8960	MPa	ASTM D790
--	9500	MPa	ISO 178
Flexural Strength			
--	179	MPa	ASTM D790
--	164	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	59	J/m	ASTM D256
23°C ²	5.9	kJ/m ²	ISO 180/1A
Unnotched Izod Impact			
23°C	360	J/m	ASTM D4812
23°C ³	24	kJ/m ²	ISO 180/1U
Instrumented Dart Impact			
23°C, Energy at Peak Load	12.8	J	ASTM D3763
--	3.40	J	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 3.20 mm	141	°C	ASTM D648
0.45 MPa, Unannealed, 64.0 mm Span ⁴	142	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 3.20 mm	140	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ⁵	141	°C	ISO 75-2/Af
CLTE			
Flow : -40 to 40°C	6.3E-5	cm/cm/°C	ASTM E831
Flow : -40 to 40°C	6.2E-5	cm/cm/°C	ISO 11359-2
Transverse : -40 to 40°C	1.4E-5	cm/cm/°C	ASTM E831, ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+7 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.	50 mm/min
2.	80*10*4
3.	80*10*4
4.	80*10*4 mm
5.	80*10*4 mm

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

