

LNP™ STAT-KON™ EX02598C compound

Polyether Imide

SABIC Innovative Plastics

Message:

LNP STAT-KON EX02598C is a compound based on Polyetherimide containing Proprietary Filler(s). Added features of this material include: Clean Compound System, Electrically Conductive.

Also known as: LNP* STAT-KON* Compound PDX-E-02598 CCS

Product reorder name: EX02598C

General Information			
Filler / Reinforcement	Proprietary		
Features	Electrically Conductive		
	Low (to None) Ion Content		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			ASTM D792
--	1.27	g/cm ³	
--	1.26	g/cm ³	
Molding Shrinkage			ASTM D955
Flow : 24 hr	0.60 to 0.80	%	
Across Flow : 24 hr	0.70 to 0.90	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	3410	MPa	ASTM D638
--	3250	MPa	ISO 527-2/1
Tensile Strength			
Break ²	52.0	MPa	ASTM D638
Break	60.0	MPa	ISO 527-2/5
Tensile Elongation			
Break ³	1.7	%	ASTM D638
Break	2.1	%	ISO 527-2/5
Flexural Modulus			
50.0 mm Span ⁴	3310	MPa	ASTM D790
-- ⁵	3120	MPa	ISO 178
Flexural Stress			
--	72.0	MPa	ISO 178
Break, 50.0 mm Span ⁶	98.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	19	J/m	ASTM D256

23°C ⁷	2.1	kJ/m ²	ISO 180/1A
Unnotched Izod Impact			
23°C	270	J/m	ASTM D4812
23°C ⁸	18	kJ/m ²	ISO 180/1U
Instrumented Dart Impact			
23°C, Total Energy	2.80	J	ASTM D3763
--	0.920	J	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 3.20 mm	172	°C	ASTM D648
0.45 MPa, Unannealed, 64.0 mm Span ⁹	171	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 3.20 mm	163	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ¹⁰	160	°C	ISO 75-2/Af
CLTE			ASTM D696
Flow : -30 to 30°C	5.0E-5	cm/cm/°C	
Transverse : -30 to 30°C	5.4E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	3.0 to 6.0	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	121 to 149	°C	
Drying Time	4.0 to 6.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	343 to 354	°C	
Middle Temperature	354 to 366	°C	
Front Temperature	366 to 377	°C	
Processing (Melt) Temp	360 to 366	°C	
Mold Temperature	121 to 149	°C	
Back Pressure	0.344 to 0.689	MPa	
Screw Speed	60 to 100	rpm	
NOTE			
1.	5.0 mm/min		
2.	Type I, 5.0 mm/min		
3.	Type I, 5.0 mm/min		
4.	1.3 mm/min		
5.	2.0 mm/min		
6.	1.3 mm/min		
7.	80*10*4		
8.	80*10*4		
9.	80*10*4 mm		
10.	80*10*4 mm		

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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

