

LNP™ STAT-KON™ ME003S compound

Polypropylene
SABIC Innovative Plastics

Message:

LNP STAT-KON ME003S is a compound based on Polypropylene resin containing 15% Carbon Fiber. Added features of this material include: Electrically Conductive, Heat Stabilized.
Also known as: LNP* STAT-KON* Compound MC-1003 HS
Product reorder name: ME003S

General Information			
Filler / Reinforcement	Carbon Fiber,15% Filler by Weight		
Additive	Heat Stabilizer		
Features	Electrically Conductive		
	Heat Stabilized		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.990	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage			
Flow : 24 hr	0.40 to 0.60	%	ASTM D955
Across Flow : 24 hr	0.50 to 0.70	%	ASTM D955
Across Flow : 24 hr	0.60	%	ISO 294-4
Flow : 24 hr	0.52	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	8960	MPa	ASTM D638
--	8590	MPa	ISO 527-2/1
Tensile Strength			
Yield	47.6	MPa	ASTM D638
Yield	47.0	MPa	ISO 527-2
Break	39.3	MPa	ASTM D638
Break	44.0	MPa	ISO 527-2
Tensile Elongation			
Yield	0.70	%	ASTM D638
Yield	0.78	%	ISO 527-2
Break	1.3	%	ASTM D638
Break	1.0	%	ISO 527-2
Flexural Modulus			
--	6890	MPa	ASTM D790
--	7000	MPa	ISO 178
Flexural Strength			

--	65.5	MPa	ASTM D790
--	62.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	16	J/m	ASTM D256
23°C ²	1.8	kJ/m ²	ISO 180/1A
Unnotched Izod Impact			
23°C	130	J/m	ASTM D4812
23°C ³	8.6	kJ/m ²	ISO 180/1U
Instrumented Dart Impact			
23°C, Energy at Peak Load	14.8	J	ASTM D3763
--	3.20	J	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 3.20 mm	154	°C	ASTM D648
0.45 MPa, Unannealed, 64.0 mm Span ⁴	150	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 3.20 mm	134	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ⁵	131	°C	ISO 75-2/Af
CLTE			ASTM E831, ISO 11359-2
Flow : -40 to 40°C	7.0E-5	cm/cm/°C	
Transverse : -40 to 40°C	2.9E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Rear Temperature	193 to 204	°C	
Middle Temperature	216 to 227	°C	
Front Temperature	238 to 249	°C	
Processing (Melt) Temp	227 to 249	°C	
Mold Temperature	32.2 to 48.9	°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.

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



WECHAT