

SABIC Innovative Plastics LNP STAT-KON Noryl_HMC3008A PPE+PS

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polystyrene (PS)

Material Notes:

LNP* Stat-kon* Noryl_HMC3008A compound is a 30% glass/mineral/carbon fiber reinforced resin; static dissipative; 250F (120C) HDT.

Tight tolerance molding.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-NorylHMC3008A-PPEPS.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.28 g/cc	1.28 g/cc	ASTM D792
Water Absorption	0.060 % @Time 86400 sec	0.060 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.00050 - 0.0015 cm/cm @Thickness 3.20 mm	0.00050 - 0.0015 in/in @Thickness 0.126 in	SABIC Method
Linear Mold Shrinkage, Transverse	0.0015 - 0.0030 cm/cm @Thickness 3.20 mm	0.0015 - 0.0030 in/in @Thickness 0.126 in	SABIC Method

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength at Break	104 MPa	15100 psi	Type I, 5 mm/min; ASTM D638
Tensile Strength, Yield	99.0 MPa	14400 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	4.0 %	4.0 %	Type I, 5 mm/min; ASTM D638
Elongation at Yield	3.0 %	3.0 %	Type I, 5 mm/min; ASTM D638
Flexural Yield Strength	127 MPa	18400 psi	2.6 mm/min, 100 mm span; ASTM D790
Flexural Modulus	9.85 GPa	1430 ksi	2.6 mm/min, 100 mm span; ASTM D790
Izod Impact, Notched	0.530 J/cm	0.993 ft-lb/in	ASTM D256
Izod Impact, Unnotched	1.49 J/cm	2.79 ft-lb/in	ASTM D4812
Taber Abrasion, mg/1000 Cycles	77	77	CS-17, 1 kg; ASTM D1044

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa	121 Â°C	250 Â°F	

Thermal Properties	Metric @ Thickness 6.40 mm	English @ Thickness 0.252 in	unannealed; ASTM D648 Comments
UL RTI, Electrical	50.0 Å°C	122 Å°F	UL 746B
UL RTI, Mechanical with Impact	50.0 Å°C	122 Å°F	UL 746B
UL RTI, Mechanical without Impact	50.0 Å°C	122 Å°F	UL 746B
Flammability, UL94	V-1 @Thickness 2.48 mm	V-1 @Thickness 0.0976 in	UL 94
Oxygen Index	39 %	39 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Volume Resistivity	1000 ohm-cm	1000 ohm-cm	ASTM D257
Surface Resistance	1e+05	1e+05	ASTM D257
Static Decay	0.010 sec	0.010 sec	5000V to <50V; FTMS101B

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China