

SABIC Innovative Plastics LNP STAT-KON Noryl_HMC1508 PPE+HIPS (Europe-Africa-Middle East)

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

Material Notes:

LNP* Stat-kon* Noryl_HMC1508 compound is a static dissipative NORYL resin.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-NorylHMC1508-PPEHIPS-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0015 - 0.0025 cm/cm @Thickness 3.20 mm	0.0015 - 0.0025 in/in @Thickness 0.126 in	SABIC Method
Linear Mold Shrinkage, Transverse	0.0020 - 0.0030 cm/cm @Thickness 3.20 mm	0.0020 - 0.0030 in/in @Thickness 0.126 in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	90.0 MPa	13100 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	4.0 %	4.0 %	Type I, 5 mm/min; ASTM D638
Flexural Yield Strength	131 MPa	19000 psi	2.6 mm/min, 100 mm span; ASTM D790
Flexural Modulus	7.00 GPa	1020 ksi	2.6 mm/min, 100 mm span; ASTM D790
Izod Impact, Notched	0.320 J/cm	0.599 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	121 Å°C @Thickness 6.40 mm	250 Å°F @Thickness 0.252 in	unannealed; ASTM D648
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 1.49 mm	V-1 @Thickness 0.0587 in	UL 94

Electrical Properties	Metric	English	Comments
Volume Resistivity	20000 ohm-cm	20000 ohm-cm	ASTM D257
Surface Resistance	1.00e+6 ohm	1.00e+6 ohm	ASTM D257
Static Decay	0.010 sec	0.010 sec	5000V to <50V; FTMS101B

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