

SABIC Innovative Plastics LNP STAT-KON Noryl_FMC3008A PPE+PS

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

Material Notes:

LNP* Stat-kon* Noryl_FMC3008A compound is a 30% carbon fiber/glass/mineral filled, static dissipative, foamable resin. UL94 V1 rated.

Property values at 20% weight reduction, 0.250" wall.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-NorylFMC3008A-PPEPS.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.02 g/cc	1.02 g/cc	foam molded; ASTM D792
	1.28 g/cc	1.28 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0015 - 0.0025 cm/cm	0.0015 - 0.0025 in/in	SABIC Method
	@Thickness 3.20 mm	@Thickness 0.126 in	
Linear Mold Shrinkage, Transverse	0.0015 - 0.0035 cm/cm	0.0015 - 0.0035 in/in	SABIC Method
	@Thickness 3.20 mm	@Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	48.0 MPa	6960 psi	ASTM D638
	@Thickness 6.35 mm	@Thickness 0.250 in	
Elongation at Break	3.5 %	3.5 %	ASTM D638
	@Thickness 6.35 mm	@Thickness 0.250 in	
Flexural Yield Strength	102 MPa	14800 psi	6.4 mm; ASTM D790
Flexural Modulus	7.79 GPa	1130 ksi	6.4 mm; ASTM D790
Izod Impact, Unnotched	1.01 J/cm	1.89 ft-lb/in	ASTM D4812
	@Thickness 6.40 mm	@Thickness 0.252 in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	116 Â°C	241 Â°F	unannealed; ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Deflection Temperature at 1.8 MPa (264 psi)	108 Â°C	226 Â°F	unannealed; ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
UL RTI, Electrical	50.0 Â°C	122 Â°F	UL 746B
UL RTI, Mechanical with Impact	50.0 Â°C	122 Â°F	UL 746B

Thermal Properties UL FTI, Mechanical without Impact	Metric 90 U A °C	English T22 A F	Comments UL 746B
Flammability, UL94	V-0 @Thickness 3.98 mm	V-0 @Thickness 0.157 in	UL 94

Electrical Properties	Metric	English	Comments
Volume Resistivity	10000 ohm-cm	10000 ohm-cm	ASTM D257
Surface Resistance	1e+05	1e+05	ASTM D257

Descriptive Properties	Value	Comments
FOAM - ELECTRICAL 6.4 mm Wt Reduction	20%	
FOAM - Flame Class Minimum Density	1.15g/cm ³	
FOAM - IMPACT 6.4 mm Wt Reduction	20%	
FOAM - MECHANICAL 6.4 mm Wt Reduction	20%	
FOAM - PHYSICAL 6.4mm Wt Reduction	20%	
FOAM - THERMAL 6.4mm Wt Reduction	20%	

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