

SABIC Innovative Plastics LNP STAT-KON Noryl_NC2525 PPE+HIPS (Europe-Africa-Middle East)

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

Material Notes:

LNP* Stat-kon* Noryl_NC2525 compound is a 25% CFR PPE+PS. Highly conductive. High heat. May be added to similar material/regrind to add some conductivity to the blend.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-NorylNC2525-PPEHIPS-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Linear Mold Shrinkage, Flow	0.0040 - 0.0060 cm/cm @Thickness 3.20 mm	0.0040 - 0.0060 in/in @Thickness 0.126 in	SABIC Method
Linear Mold Shrinkage, Transverse	0.0045 - 0.0065 cm/cm @Thickness 3.20 mm	0.0045 - 0.0065 in/in @Thickness 0.126 in	SABIC Method
Melt Flow	15.3 g/10 min @Load 5.00 kg, Temperature 300 Å°C	15.3 g/10 min @Load 11.0 lb, Temperature 572 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	106 MPa	15400 psi	Type I, 5 mm/min; ASTM D638
Tensile Strength, Yield	106 MPa	15400 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	2.5 %	2.5 %	Type I, 5 mm/min; ASTM D638
Elongation at Yield	2.5 %	2.5 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	20.68 GPa	2999 ksi	5 mm/min; ASTM D638
Flexural Strength	148 MPa	21500 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	15.85 GPa	2299 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.420 J/cm	0.787 ft-lb/in	ASTM D256
Izod Impact, Unnotched	1.76 J/cm	3.30 ft-lb/in	ASTM D4812
Dart Drop, Total Energy	9.00 J @Temperature 23.0 Å°C	6.64 ft-lb @Temperature 73.4 Å°F	ASTM D3763

Thermal Properties	Metric	English	Comments
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Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	@Temperature -40.0 - 40.0 Å°C	@Temperature -40.0 - 104 Å°F	ASTM E 831
CTE, linear, Transverse to Flow	108 Åµm/m-Å°C @Temperature -40.0 - 40.0 Å°C	60.0 Åµin/in-Å°F @Temperature -40.0 - 104 Å°F	ASTM E 831
Deflection Temperature at 0.46 MPa (66 psi)	177 Å°C @Thickness 3.20 mm	351 Å°F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	170 Å°C @Thickness 3.20 mm	338 Å°F @Thickness 0.126 in	unannealed; ASTM D648
Vicat Softening Point	179 Å°C	354 Å°F	Rate B/50; ASTM D1525

Electrical Properties	Metric	English	Comments
Surface Resistance	1000 ohm	1000 ohm	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