

SABIC Innovative Plastics LNP Thermocomp MX01767C PP

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

LNP* Stat-Kon* MX01767C is a compound based on Polypropylene containing Proprietary Fillers. Charactiers of this grade are Statically Conductive, Clean Compound System.This data was supplied by SABIC-IP for the Americas region.

Order this product through the following link:
http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermocomp-MX01767C-PP.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.980 g/cc	0.980 g/cc	ASTM D 792
Density	0.980 g/cc	0.0354 lb/in ³	ASTM D 792
Moisture Absorption at Equilibrium	0.010 %	0.010 %	23 ^o C / 50% RH; ISO 62
	0.020 % @Time 86400 sec	0.020 % @Time 24.0 hour	50% RH; ASTM D 570
Linear Mold Shrinkage, Flow	0.010 cm/cm	0.010 in/in	SABIC Method
Linear Mold Shrinkage, Transverse	0.020 cm/cm	0.020 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	20.0 MPa	2900 psi	Type I, 5 mm/min; ASTM D 638
	22.0 MPa	3190 psi	5 mm/min; ISO 527
Tensile Strength, Yield	31.0 MPa	4500 psi	5 mm/min; ISO 527
	32.0 MPa	4640 psi	Type I, 5 mm/min; ASTM D 638
Elongation at Break	18 %	18 %	5 mm/min; ISO 527
	25.5 %	25.5 %	Type I, 5 mm/min; ASTM D 638
Elongation at Yield	6.6 %	6.6 %	5 mm/min; ISO 527
	7.5 %	7.5 %	Type I, 5 mm/min; ASTM D 638
Tensile Modulus	1.76 GPa	255 ksi	5 mm/min; ASTM D 638
	1.76 GPa	255 ksi	1 mm/min; ISO 527
Flexural Strength	35.0 MPa	5080 psi	ISO 178
Flexural Modulus	1.49 GPa	216 ksi	1.3 mm/min, 50 mm span; ASTM D 790

Mechanical Properties	1.51 GPa Metric	219 ksi English	2 mm/min* ISO 178 Comments
Izod Impact, Notched	1.30 J/cm @Temperature 23.0 Â°C	2.44 ft-lb/in @Temperature 73.4 Â°F	ASTM D 256
Izod Impact, Unnotched	14.7 J/cm @Temperature 23.0 Â°C	27.5 ft-lb/in @Temperature 73.4 Â°F	ASTM D 4812
Izod Impact, Notched (ISO)	9.00 kJ/mÂ² @Temperature 23.0 Â°C	4.28 ft-lb/inÂ² @Temperature 73.4 Â°F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	141 kJ/mÂ² @Temperature 23.0 Â°C	67.1 ft-lb/inÂ² @Temperature 73.4 Â°F	80*10*4; ISO 180/1U
Impact Test	32.0 J	23.6 ft-lb	Multiaxial Impact; ISO 6603
	37.0 J @Temperature 23.0 Â°C	27.3 ft-lb @Temperature 73.4 Â°F	Instrumented Impact Total Energy; ASTM D 3763

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	89.0 Â°C	192 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
	95.0 Â°C @Thickness 3.20 mm	203 Â°F @Thickness 0.126 in	unannealed; ASTM D 648
Deflection Temperature at 1.8 MPa (264 psi)	52.0 Â°C	126 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	53.0 Â°C @Thickness 3.20 mm	127 Â°F @Thickness 0.126 in	unannealed; ASTM D 648

Electrical Properties	Metric	English	Comments
Surface Resistance	3.0 ohm	3.0 ohm	ASTM D 257

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