

SABIC Innovative Plastics LNP STAT-KON RX05488 PA 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP STAT-KON* RX05488 is a compound based on Nylon 66 resin containing Carbon Fiber, Flame Retardant, Glass Fiber, PTFE. Added features of this material include: Electrically Conductive.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-RX05488-PA-66.php

Physical Properties	Metric	English	Comments
Density	1.70 g/cc	0.0614 lb/in ³	ASTM D792
Moisture Absorption	0.320 %	0.320 %	50% RH, 24 hrs; ASTM D570
	0.470 %	0.470 %	23°C / 50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.0020 cm/cm	0.0020 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
	0.0024 cm/cm	0.0024 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0067 cm/cm	0.0067 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
	0.0070 cm/cm	0.0070 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	169 MPa	24500 psi	ASTM D638
	175 MPa	25400 psi	ISO 527
Elongation at Break	1.6 %	1.6 %	ASTM D638
	1.8 %	1.8 %	ISO 527
Tensile Modulus	18.7 GPa	2710 ksi	1 mm/min; ISO 527
	24.61 GPa	3569 ksi	50 mm/min; ASTM D638
Flexural Strength	255 MPa	37000 psi	ASTM D790
	271 MPa	39300 psi	ISO 178
Flexural Modulus	14.47 GPa	2099 ksi	ASTM D790

Mechanical Properties	17.6 GPa Metric	2550 ksi English	ISO 178 Comments
Izod Impact, Notched	0.900 J/cm	1.69 ft-lb/in	ASTM D256
Izod Impact, Unnotched	6.46 J/cm	12.1 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	11.0 kJ/m ²	5.23 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	44.0 kJ/m ²	20.9 ft-lb/in ²	80*10*4; ISO 180/1U
Dart Drop, Total Energy	6.00 J	4.43 ft-lb	Instrumented Impact Energy @ peak; ASTM D3763
Impact Test	3.00 J	2.21 ft-lb	Multiaxial Impact; ISO 6603

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	>= 240 Â°C	>= 464 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/ Af
	242 Â°C @Thickness 3.20 mm	468 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	UL 94 by SABIC-IP

Electrical Properties	Metric	English	Comments
Surface Resistance	100 - 1.00e+6 ohm	100 - 1.00e+6 ohm	ASTM D257

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