

SABIC Innovative Plastics LNP STAT-KON RE004 PA 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* STAT-KON* RE004 is a compound based on Nylon 66 resin containing 20% Carbon Fiber. 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-RE004-PA-66.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|---------------------------|-----------|
| Density | 1.25 g/cc | 0.0452 lb/in ³ | ASTM D792 |

| Mechanical Properties | Metric | English | Comments |
|------------------------------|------------------------|----------------------------|---------------------|
| Tensile Strength at Break | 219 MPa | 31800 psi | ASTM D638 |
| | 233 MPa | 33800 psi | ISO 527 |
| Elongation at Break | 2.9 % | 2.9 % | ISO 527 |
| | 4.3 % | 4.3 % | ASTM D638 |
| Flexural Strength | 312 MPa | 45300 psi | ASTM D790 |
| | 337 MPa | 48900 psi | ISO 178 |
| Flexural Modulus | 12.34 GPa | 1790 ksi | ASTM D790 |
| | 14.6 GPa | 2120 ksi | ISO 178 |
| Izod Impact, Notched | 0.640 J/cm | 1.20 ft-lb/in | ASTM D256 |
| Izod Impact, Unnotched | 5.23 J/cm | 9.80 ft-lb/in | ASTM D4812 |
| Izod Impact, Notched (ISO) | 8.00 kJ/m ² | 3.81 ft-lb/in ² | 80*10*4; ISO 180/1A |
| Izod Impact, Unnotched (ISO) | 54.0 kJ/m ² | 25.7 ft-lb/in ² | 80*10*4; ISO 180/1U |

| Thermal Properties | Metric | English | Comments |
|--------------------|--------------------|----------------------|-------------------|
| Flammability, UL94 | HB | HB | UL 94 by SABIC-IP |
| | @Thickness 1.50 mm | @Thickness 0.0591 in | |

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

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