

SABIC Innovative Plastics LNP Stat-kon DE0049 PC (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

LNP* Stat-kon* DC-1004 FR is a compound based on Polycarbonate resin containing Flame Retardant, Carbon Fiber. Added features of this material include: Electrically Conductive, Flame Retardant. This data was supplied by SABIC-IP for the Europe-Africa-Middle East region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Stat-kon-DE0049-PC-Europe-Africa-Middle-East.php

| Mechanical Properties | Metric | English | Comments |
|----------------------------|--|---|---------------------|
| Tensile Strength at Break | 147 MPa | 21300 psi | 5 mm/min; ISO 527 |
| Elongation at Break | 1.4 % | 1.4 % | 5 mm/min; ISO 527 |
| Tensile Modulus | 13.7 GPa | 1990 ksi | 1 mm/min; ISO 527 |
| Flexural Strength | 83.0 MPa | 12000 psi | 2 mm/min; ISO 178 |
| Flexural Modulus | 2.80 GPa | 406 ksi | 2 mm/min; ISO 178 |
| Izod Impact, Notched (ISO) | 7.00 kJ/m ² @Temperature 23.0 Â°C | 3.33 ft-lb/in ² @Temperature 73.4 Â°F | 80*10*4; ISO 180/1A |

| Thermal Properties | Metric | English | Comments |
|--|---|--|----------------------------------|
| CTE, linear, Parallel to Flow | 11.0 Âµm/m-Â°C @Temperature 23.0 - 60.0 Â°C | 6.11 Âµin/in-Â°F @Temperature 73.4 - 140 Â°F | ISO 11359-2 |
| CTE, linear, Transverse to Flow | 66.0 Âµm/m-Â°C @Temperature 23.0 - 60.0 Â°C | 36.7 Âµin/in-Â°F @Temperature 73.4 - 140 Â°F | ISO 11359-2 |
| Deflection Temperature at 0.46 MPa (66 psi) | 141 Â°C | 286 Â°F | Flatw 80*10*4 sp=64mm; ISO 75/Bf |
| Deflection Temperature at 1.8 MPa (264 psi) | 136 Â°C | 277 Â°F | Flatw 80*10*4 sp=64mm; ISO 75/Af |
| Flammability, UL94 | V-0 @Thickness 1.60 mm | V-0 @Thickness 0.0630 in | UL 94 by SABIC-IP |

| Electrical Properties | Metric | English | Comments |
|-----------------------|-----------------|-----------------|------------|
| Surface Resistance | 100 - 10000 ohm | 100 - 10000 ohm | ASTM D 257 |

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