

SABIC Innovative Plastics LNP THERMOCOMP DX06094 PC (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

LNP* THERMOCOMP* DX06094 is a compound based on Polycarbonate resin containing Glass Fiber . Added features include: High Impact, Non- Brominated & Non-Chlorinated Flame Retardant and Mold Release. UL listing for BK only.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-DX06094-PC-Europe-Africa-Middle-East.php

| Physical Properties | Metric | English | Comments |
|-----------------------------|--------------|---------------------------|--------------|
| Density | 1.42 g/cc | 0.0513 lb/in ³ | ISO 1183 |
| Linear Mold Shrinkage, Flow | 0.0022 cm/cm | 0.0022 in/in | SABIC Method |

| Mechanical Properties | Metric | English | Comments |
|------------------------------|------------------------|----------------------------|---------------------|
| Tensile Strength at Break | 145 MPa | 21000 psi | 5 mm/min; ISO 527 |
| Elongation at Break | 3.0 % | 3.0 % | 5 mm/min; ISO 527 |
| Tensile Modulus | 9.00 GPa | 1310 ksi | 1 mm/min; ISO 527 |
| Flexural Strength | 206 MPa | 29900 psi | 2 mm/min; ISO 178 |
| Flexural Yield Strength | 208 MPa | 30200 psi | 2 mm/min; ISO 178 |
| Flexural Modulus | 8.50 GPa | 1230 ksi | 2 mm/min; ISO 178 |
| Izod Impact, Notched (ISO) | 12.0 kJ/m ² | 5.71 ft-lb/in ² | 80*10*4; ISO 180/1A |
| Izod Impact, Unnotched (ISO) | 48.0 kJ/m ² | 22.8 ft-lb/in ² | 80*10*4; ISO 180/1U |

| Thermal Properties | Metric | English | Comments |
|---|------------------------------|-----------------------------|----------------------------------|
| CTE, linear, Parallel to Flow | 23.0 Åµm/m-Å°C | 12.8 Åµin/in-Å°F | ISO 11359-2 |
| | @Temperature 23.0 - 60.0 Å°C | @Temperature 73.4 - 140 Å°F | |
| CTE, linear, Transverse to Flow | 69.0 Åµm/m-Å°C | 38.3 Åµin/in-Å°F | ISO 11359-2 |
| | @Temperature 23.0 - 60.0 Å°C | @Temperature 73.4 - 140 Å°F | |
| Deflection Temperature at 1.8 MPa (264 psi) | 138 Å°C | 280 Å°F | Flatw 80*10*4 sp=64mm; ISO 75/Af |
| Flammability, UL94 | V-0 | V-0 | UL 94 |
| | @Thickness 3.00 mm | @Thickness 0.118 in | |

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