

SABIC Innovative Plastics LNP Thermocomp DX93681 PC (Asia Pacific)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

LNP* Thermocomp* DX93681 is a compound based on Polycarbonate resin containing Proprietary Filler(s). This data was supplied by SABIC-IP for the Asia Pacific region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermocomp-DX93681-PC-Asia-Pacific.php

| Physical Properties | Metric | English | Comments |
|-----------------------------|---------------------------------|---------------------------------|------------|
| Density | 1.19 g/cc | 0.0430 lb/in ³ | ASTM D 792 |
| Linear Mold Shrinkage, Flow | 0.0080 cm/cm @Time 86400 sec | 0.0080 in/in @Time 24.0 hour | ASTM D 955 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|---------------------------------------|--|-----------------------|
| Tensile Strength at Break | 56.0 MPa | 8120 psi | ASTM D 638 |
| Elongation at Break | 63 % | 63 % | ASTM D 638 |
| Tensile Modulus | 2.13 GPa | 309 ksi | 50 mm/min; ASTM D 638 |
| Flexural Strength | 82.0 MPa | 11900 psi | ASTM D 790 |
| Flexural Modulus | 2.29 GPa | 332 ksi | ASTM D 790 |
| Izod Impact, Notched | 5.28 J/cm @Temperature 23.0 Â°C | 9.89 ft-lb/in @Temperature 73.4 Â°F | ASTM D 256 |

| Thermal Properties | Metric | English | Comments |
|--|-------------------------------|--------------------------------|------------------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 122 Â°C @Thickness 3.20 mm | 252 Â°F @Thickness 0.126 in | unannealed; ASTM D 648 |

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