

SABIC Innovative Plastics LNP THERMOCOMP PCAF04FRHH PC+ABS (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Glass Fiber Filled , Polycarbonate (PC)

Material Notes:

LNP* THERMOCOMP* PCA04FRHH is a 20 % glass reinforced PC+ABS blend without chlorinated or brominated flame retardants. LNP* THERMOCOMP* complies with the material requirements as specified in TCO'99 and Blue Angel ecolabels.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-PCAF04FRHH-PCABS-Europe-Africa-Middle-East.php

| Physical Properties | Metric | English | Comments |
|------------------------|--|--|---|
| Density | 1.32 g/cc | 0.0477 lb/in ³ | ISO 1183 |
| Melt Index of Compound | 8.0 g/10 min @Load 5.00 kg, Temperature 260 °C | 8.0 g/10 min @Load 11.0 lb, Temperature 500 °F | MVR [cm ³ /10 min]; ISO 1133 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|------------------------|----------------------------|---|
| Tensile Strength at Break | 85.0 MPa | 12300 psi | 5 mm/min; ISO 527 |
| Elongation at Break | 2.5 % | 2.5 % | Flexural Strain, break, 2 mm/min; ISO 178 |
| Tensile Modulus | 6.20 GPa | 899 ksi | 1 mm/min; ISO 527 |
| Flexural Strength | 130 MPa | 18900 psi | 2 mm/min; ISO 178 |
| Flexural Modulus | 5.80 GPa | 841 ksi | 2 mm/min; ISO 178 |
| Izod Impact, Notched (ISO) | 23.0 kJ/m ² | 10.9 ft-lb/in ² | 80*10*4; ISO 180/1A |

| Thermal Properties | Metric | English | Comments |
|---|------------------------------|---------------------------------|------------------------------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 118 °C | 244 °F | Edgew 120*10*4 sp=100mm; ISO 75/Ae |
| Vicat Softening Point | 130 °C | 266 °F | Rate B/120; ISO 306 |
| Flammability, UL94 | V-0 @Thickness 1.50 mm | V-0 @Thickness 0.0591 in | UL 94 |
| Glow Wire Test | 825 °C | 1520 °F | IEC 60695-2-13 |
| | 960 °C @Thickness 1.50 mm | 1760 °F @Thickness 0.0591 in | IEC 60695-2-12 |

| Electrical Properties | Metric | English | Comments |
|----------------------------|--------|---------|-----------|
| Comparative Tracking Index | 150 V | 150 V | IEC 60112 |

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