

LNPT[™] THERMOCOMP[™] COMPOUND RFB66

RF-100-12 MG

REGION ASIA

DESCRIPTION

LNP THERMOCOMP RFB66 compound is based on Nylon 6/6 resin containing 30% glass fiber, 30% glass bead.

| GENERAL INFORMATION | |
|-----------------------|--------------------------------------|
| Features | Low Warpage, High stiffness/Strength |
| Fillers | Glass Fiber, Glass Bead |
| Polymer Types | Polyamide 66 (Nylon 66) |
| Processing Techniques | Injection Molding |

| INDUSTRY | SUB INDUSTRY |
|----------------------------|--|
| Building and Construction | Building Component, Water Management |
| Consumer | Sport/Leisure, Personal Accessory, Home Appliances, Commercial Appliance |
| Electrical and Electronics | Mobile Phone - Computer - Tablets |
| Industrial | Electrical |

TYPICAL PROPERTY VALUES

Revision 20231109

| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|----------------------------------|----------------|-------------------|--------------|
| MECHANICAL ⁽¹⁾ | | | |
| Tensile Stress, break | 151 | MPa | ASTM D638 |
| Tensile Strain, break | 1.7 | % | ASTM D638 |
| Tensile Modulus, 50 mm/min | 16540 | MPa | ASTM D638 |
| Flexural Stress | 248 | MPa | ASTM D790 |
| Flexural modulus | 13780 | MPa | ASTM D790 |
| IMPACT ⁽¹⁾ | | | |
| Izod Impact, unnotched, 23°C | 667 | J/m | ASTM D4812 |
| Izod Impact, notched, 23°C | 85 | J/m | ASTM D256 |
| THERMAL ⁽¹⁾ | | | |
| HDT, 1.82 MPa, 3.2mm, unannealed | 247 | °C | ASTM D648 |
| PHYSICAL ⁽¹⁾ | | | |
| Density | 1.7 | g/cm ³ | ASTM D792 |

(1) The information stated on Technical Datasheets should be used as indicative only for material selection purposes and not be utilized as specification or used for part or tool design.



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