

## LNP\* Thermocomp\* Compound RFZ22S

### Asia Pacific: COMMERCIAL

Also known as: LNP\* Thermocomp\* Compound RF-1004 HS MG

Product reorder name: RFZ22S

LNP\* Thermocomp\* RFZ22S is a compound based on Nylon 66 resin containing Glass Fiber, Milled Glass. Added features of this material include: Heat Stabilized.

| TYPICAL PROPERTIES <sup>1</sup>        | TYPICAL VALUE | UNIT                | STANDARD    |
|----------------------------------------|---------------|---------------------|-------------|
| <b>MECHANICAL</b>                      |               |                     |             |
| Tensile Stress, break                  | 1170          | kgf/cm <sup>2</sup> | ASTM D 638  |
| Tensile Strain, yield                  | 2.8           | %                   | ASTM D 638  |
| Tensile Strain, break                  | 3.6           | %                   | ASTM D 638  |
| Tensile Modulus, 50 mm/min             | 65800         | kgf/cm <sup>2</sup> | ASTM D 638  |
| Flexural Stress                        | 1820          | kgf/cm <sup>2</sup> | ASTM D 790  |
| Flexural Modulus                       | 54000         | kgf/cm <sup>2</sup> | ASTM D 790  |
| Tensile Stress, break                  | 117           | MPa                 | ISO 527     |
| Tensile Modulus, 1 mm/min              | 6430          | MPa                 | ISO 527     |
| <b>IMPACT</b>                          |               |                     |             |
| Izod Impact, unnotched, 23°C           | 46            | cm-kgf/cm           | ASTM D 4812 |
| Izod Impact, notched, 23°C             | 3             | cm-kgf/cm           | ASTM D 256  |
| <b>THERMAL</b>                         |               |                     |             |
| HDT, 1.82 MPa, 3.2mm, unannealed       | 241           | °C                  | ASTM D 648  |
| HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm | 258           | °C                  | ISO 75/Bf   |
| <b>PHYSICAL</b>                        |               |                     |             |
| Density                                | 1.29          | g/cm <sup>3</sup>   | ASTM D 792  |
| Mold Shrinkage, flow, 24 hrs           | 0.5           | %                   | ASTM D 955  |