# LNP™ LUBRICOMP™ COMPOUND RBG16I

RBL-4316 HI

## DESCRIPTION

LNP LUBRICOMP RBG16I is a compound based on Nylon 66 resin containing Glass Bead, Graphite. Added features of this material include: High Impact.

## TYPICAL PROPERTY VALUES

Revision 20191210

| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|---|---|---|---|
| MECHANICAL | | | |
| Tensile Stress, yield, 5 mm/min | 64 | MPa | ISO 527 |
| Tensile Strain, yield, 5 mm/min | 3.6 | % | ISO 527 |
| Tensile Modulus, 1 mm/min | 4300 | MPa | ISO 527 |
| Flexural Stress, yield, 2 mm/min | 100 | MPa | ISO 178 |
| Flexural Modulus, 2 mm/min | 3500 | MPa | ISO 178 |
| IMPACT | | | |
| Izod Impact, unnotched 80*10*4 +23°C | 40 | kJ/m² | ISO 180/1U |
| Izod Impact, notched 80*10*4 +23°C | 6 | kJ/m² | ISO 180/1A |
| THERMAL | | | |
| CTE, 23°C to 60°C, flow | 7.1E-05 | 1/°C | ISO 11359-2 |
| CTE, 23°C to 60°C, xflow | 7.9E-05 | 1/°C | ISO 11359-2 |
| HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm | 223 | °C | ISO 75/Bf |
| HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm | 78 | °C | ISO 75/Af |
| PHYSICAL | | | |
| Mold Shrinkage on Tensile Bar, flow | 0.2 – 0.4 | % | SABIC method |
| Density | 1.37 | g/cm³ | ISO 1183 |

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