# LNP™ LUBRICOMP™ COMPOUND RFL36SXC

RFL-4036

## DESCRIPTION

LNP LUBRICOMP RFL36SXC is a compound based on Nylon 66 resin containing Glass Fiber, PTFE. Added features of this material include: Heat Stabilized.

## TYPICAL PROPERTY VALUES

Revision 20191219

| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|---|---|---|---|
| MECHANICAL | | | |
| Tensile Stress, break, 5 mm/min | 173 | MPa | ISO 527 |
| Tensile Strain, break, 5 mm/min | 3 | % | ISO 527 |
| Tensile Modulus, 1 mm/min | 9700 | MPa | ISO 527 |
| Flexural Stress, break, 2 mm/min | 238 | MPa | ISO 178 |
| Flexural Modulus, 2 mm/min | 7900 | MPa | ISO 178 |
| IMPACT | | | |
| Izod Impact, unnotched 80*10*4 +23°C | 70 | kJ/m² | ISO 180/1U |
| Izod Impact, notched 80*10*4 +23°C | 13 | kJ/m² | ISO 180/1A |
| THERMAL | | | |
| HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm | 261 | °C | ISO 75/Bf |
| HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm | 249 | °C | ISO 75/Af |
| PHYSICAL | | | |
| Mold Shrinkage on Tensile Bar, flow | 0.2 – 0.4 | % | SABIC method |
| Density | 1.49 | g/cm³ | ISO 1183 |
| INJECTION MOLDING | | | |
| Drying Time | 4 | hrs | |
| Drying Temperature | 80 | °C | |
| Melt Temperature | 280 – 305 | °C | |
| Rear - Zone 1 Temperature | 265 – 275 | °C | |
| Middle - Zone 2 Temperature | 280 – 295 | °C | |
| Front - Zone 3 Temperature | 295 – 305 | °C | |
| Maximum Moisture Content | 0.15 – 0.25 | % | |
| Back Pressure | 0.2 – 0.3 | MPa | |
| Screw Speed | 30 – 60 | rpm | |
| Mold Temperature | 95 – 110 | °C | |

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