



## LNP™ LUBRICOMP™ Compound GX07409H

### Americas: COMMERCIAL

Also known as: LNP™ LUBRICOMP™ Compound GX07409H

Product reorder name: GX07409H

LNP LUBRICOMP GX07409H is a compound based on PSU resin containing proprietary fillers. Added features of this grade include: Wear Resistant, Healthcare.

| TYPICAL PROPERTIES <sup>1</sup>       | TYPICAL VALUE | Unit              | Standard   |
|---------------------------------------|---------------|-------------------|------------|
| <b>MECHANICAL</b>                     |               |                   |            |
| Tensile Stress, yield, 5 mm/min       | 68            | MPa               | ISO 527    |
| Tensile Stress, break, 5 mm/min       | 48            | MPa               | ISO 527    |
| Tensile Strain, yield, 5 mm/min       | 5.8           | %                 | ISO 527    |
| Tensile Strain, break, 5 mm/min       | 9.3           | %                 | ISO 527    |
| Tensile Modulus, 1 mm/min             | 2520          | MPa               | ISO 527    |
| Flexural Stress, yield, 2 mm/min      | 88            | MPa               | ISO 178    |
| Flexural Modulus, 2 mm/min            | 2640          | MPa               | ISO 178    |
| <b>IMPACT</b>                         |               |                   |            |
| Izod Impact, unnotched 80*10*4 +23°C  | 219           | kJ/m <sup>2</sup> | ISO 180/1U |
| Izod Impact, notched 80*10*4 +23°C    | 9             | kJ/m <sup>2</sup> | ISO 180/1A |
| <b>THERMAL</b>                        |               |                   |            |
| HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm | 167           | °C                | ISO 75/Af  |
| <b>PHYSICAL</b>                       |               |                   |            |
| Density                               | 1.31          | g/cm <sup>3</sup> | ASTM D 792 |
| Mold Shrinkage, flow, 24 hrs (5)      | 0.51 - 0.71   | %                 | ASTM D 955 |
| Mold Shrinkage, xflow, 24 hrs (5)     | 0.63 - 0.83   | %                 | ASTM D 955 |



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| PROCESSING PARAMETERS       | TYPICAL VALUE | Unit |
|-----------------------------|---------------|------|
| <b>Injection Molding</b>    |               |      |
| Drying Temperature          | 120 - 150     | °C   |
| Drying Time                 | 4             | hrs  |
| Maximum Moisture Content    | 0.05          | %    |
| Melt Temperature            | 360 - 370     | °C   |
| Front - Zone 3 Temperature  | 350 - 360     | °C   |
| Middle - Zone 2 Temperature | 340 - 350     | °C   |
| Rear - Zone 1 Temperature   | 325 - 340     | °C   |
| Mold Temperature            | 150           | °C   |
| Back Pressure               | 0.2 - 0.3     | MPa  |
| Screw Speed                 | 30 - 60       | rpm  |