



**LNP™ LUBRICOMP™ Compound RL008**  
**Europe-Africa-Middle East: COMMERCIAL**

LNP LUBRICOMP RL008 is a compound based on PA 66 containing PTFE. Added features include: Internally Lubricated.

| TYPICAL PROPERTIES <sup>1</sup>        | TYPICAL VALUE | Unit              | Standard     |
|----------------------------------------|---------------|-------------------|--------------|
| <b>MECHANICAL</b>                      |               |                   |              |
| Tensile Stress, yield, 5 mm/min        | 45            | MPa               | ISO 527      |
| Tensile Strain, break, 5 mm/min        | 8.2           | %                 | ISO 527      |
| Tensile Modulus, 1 mm/min              | 2300          | MPa               | ISO 527      |
| Flexural Stress, yield, 2 mm/min       | 67            | MPa               | ISO 178      |
| Flexural Modulus, 2 mm/min             | 2000          | MPa               | ISO 178      |
| <b>IMPACT</b>                          |               |                   |              |
| Izod Impact, unnotched 80*10*4 +23°C   | 30            | kJ/m <sup>2</sup> | ISO 180/1U   |
| Izod Impact, notched 80*10*4 +23°C     | 4             | kJ/m <sup>2</sup> | ISO 180/1A   |
| <b>THERMAL</b>                         |               |                   |              |
| HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm | 207           | °C                | ISO 75/Bf    |
| HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm  | 73            | °C                | ISO 75/Af    |
| <b>PHYSICAL</b>                        |               |                   |              |
| Mold Shrinkage, flow (5)               | 2             | %                 | SABIC Method |
| Density                                | 1.42          | g/cm <sup>3</sup> | ISO 1183     |



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| PROCESSING PARAMETERS       | TYPICAL VALUE | Unit |
|-----------------------------|---------------|------|
| <b>Injection Molding</b>    |               |      |
| Drying Temperature          | 80            | °C   |
| Drying Time                 | 4             | hrs  |
| Maximum Moisture Content    | 0.15 - 0.25   | %    |
| Melt Temperature            | 275 - 290     | °C   |
| Front - Zone 3 Temperature  | 295 - 305     | °C   |
| Middle - Zone 2 Temperature | 280 - 295     | °C   |
| Rear - Zone 1 Temperature   | 265 - 275     | °C   |
| Mold Temperature            | 80 - 95       | °C   |
| Back Pressure               | 0.2 - 0.3     | MPa  |
| Screw Speed                 | 30 - 60       | rpm  |