



**LNP™ LUBRICOMP™ Compound OFL38A**  
**Europe-Africa-Middle East: COMMERCIAL**

LNP LUBRICOMP OFL38A is a compound based on PPS - Branched resin containing Glass Fiber, PTFE. Added features include : Internally Lubricated.

| TYPICAL PROPERTIES <sup>1</sup>             | TYPICAL VALUE | Unit              | Standard       |
|---------------------------------------------|---------------|-------------------|----------------|
| <b>MECHANICAL</b>                           |               |                   |                |
| Tensile Stress, break, 5 mm/min             | 147           | MPa               | ISO 527        |
| Tensile Strain, break, 5 mm/min             | 2             | %                 | ISO 527        |
| Tensile Modulus, 1 mm/min                   | 14700         | MPa               | ISO 527        |
| Flexural Stress, yield, 2 mm/min            | 206           | MPa               | ISO 178        |
| Flexural Modulus, 2 mm/min                  | 12700         | 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          | 7             | kJ/m <sup>2</sup> | ISO 180/1A     |
| <b>THERMAL</b>                              |               |                   |                |
| CTE, 23°C to 60°C, flow                     | 1.6E-05       | 1/°C              | ISO 11359-2    |
| CTE, 23°C to 60°C, xflow                    | 3.8E-05       | 1/°C              | ISO 11359-2    |
| HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm      | 280           | °C                | ISO 75/Bf      |
| HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm       | 264           | °C                | ISO 75/Af      |
| <b>PHYSICAL</b>                             |               |                   |                |
| Mold Shrinkage, flow (5)                    | 0.2           | %                 | SABIC Method   |
| Density                                     | 1.8           | g/cm <sup>3</sup> | ISO 1183       |
| <b>ELECTRICAL</b>                           |               |                   |                |
| Comparative Tracking Index                  | 175           | V                 | IEC 60112      |
| <b>FLAME CHARACTERISTICS</b>                |               |                   |                |
| UL Recognized, 94V-0 Flame Class Rating (3) | 1.7           | mm                | UL 94          |
| Glow Wire Ignitability Temperature, 1.0 mm  | 825 - 960     | °C                | IEC 60695-2-13 |
| Glow Wire Ignitability Temperature, 2.0 mm  | 875 - 960     | °C                | IEC 60695-2-13 |



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| PROCESSING PARAMETERS       | TYPICAL VALUE | Unit |
|-----------------------------|---------------|------|
| <b>Injection Molding</b>    |               |      |
| Drying Temperature          | 120 - 150     | °C   |
| Drying Time                 | 4             | hrs  |
| Melt Temperature            | 315 - 320     | °C   |
| Front - Zone 3 Temperature  | 330 - 345     | °C   |
| Middle - Zone 2 Temperature | 320 - 330     | °C   |
| Rear - Zone 1 Temperature   | 305 - 315     | °C   |
| Mold Temperature            | 140 - 165     | °C   |
| Back Pressure               | 0.2 - 0.3     | MPa  |
| Screw Speed                 | 30 - 60       | rpm  |