

## SABIC Innovative Plastics LNP LUBRICOMP DFL36 PC (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

**Material Notes:**

LNP\* Lubricomp\* DFL-4036 is a compound based on Polycarbonate resin containing Glass Fiber, PTFE.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-LUBRICOMP-DFL36-PC-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-DFL36-PC-Europe-Africa-Middle-East.php)

| Physical Properties         | Metric                | English                   | Comments                     |
|-----------------------------|-----------------------|---------------------------|------------------------------|
| Density                     | 1.55 g/cc             | 0.0560 lb/in <sup>3</sup> | ISO 1183                     |
| Linear Mold Shrinkage, Flow | 0.0010 - 0.0030 cm/cm | 0.0010 - 0.0030 in/in     | on Tensile Bar; SABIC Method |

| Mechanical Properties            | Metric                                       | English  | Comments                    |
|----------------------------------|--|--|-----------------------------|
| Tensile Strength at Break        | 120 MPa                                      | 17400 psi  | 5 mm/min; ISO 527           |
| Elongation at Break              | 2.7 %  | 2.7 %  | 5 mm/min; ISO 527           |
| Flexural Strength                | 163 MPa                                      | 23600 psi  | 2 mm/min; ISO 178           |
| Flexural Modulus                 | 6.90 GPa                                     | 1000 ksi   | 2 mm/min; ISO 178           |
| Izod Impact, Notched (ISO)       | 16.0 kJ/m <sup>2</sup>                       | 7.61 ft-lb/in <sup>2</sup>                             | 80*10*4; ISO 180/1A         |
| Izod Impact, Unnotched (ISO)     | 55.0 kJ/m <sup>2</sup>                       | 26.2 ft-lb/in <sup>2</sup>                             | 80*10*4; ISO 180/1U         |
| Coefficient of Friction, Dynamic | 0.45   | 0.45   | ASTM D3702 Modified         |
| Coefficient of Friction, Static  | 0.41   | 0.41   | ASTM D3702 Modified         |
| K (wear) Factor                  | 44.3 x 10 <sup>-8</sup> mm <sup>3</sup> /N-M | 22.0 x 10 <sup>-10</sup> in <sup>3</sup> -min/ft-lb-hr | Washer; ASTM D3702 Modified |

| Thermal Properties                          | Metric                    | English                    | Comments                         |
|---|---------------------------|----------------------------|----------------------------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 130 °C                    | 266 °F                     | Flatw 80*10*4 sp=64mm; ISO 75/Af |
| Flammability, UL94                          | V-1<br>@Thickness 3.00 mm | V-1<br>@Thickness 0.118 in | UL 94                            |

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