

## SABIC Innovative Plastics LNP LUBRICOMP DL004 PC (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

### Material Notes:

LNP\* LUBRICOMP\* DL004 is a compound based on Polycarbonate resin containing PTFE. Added features include Internally Lubricated.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-LUBRICOMP-DL004-PC-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-DL004-PC-Europe-Africa-Middle-East.php)

| Physical Properties | Metric    | English                   | Comments |
|---------------------|-----------|---------------------------|----------|
| Density             | 1.32 g/cc | 0.0477 lb/in <sup>3</sup> | ISO 1183 |

| Mechanical Properties            | Metric                                       | English  | Comments                    |
|----------------------------------|--|--|-----------------------------|
| Tensile Strength, Yield          | 47.0 MPa                                     | 6820 psi   | 5 mm/min; ISO 527           |
| Elongation at Yield              | 5.3 %  | 5.3 %  | 5 mm/min; ISO 527           |
| Tensile Modulus                  | 2.10 GPa                                     | 305 ksi  | 1 mm/min; ISO 527           |
| Flexural Yield Strength          | 77.0 MPa                                     | 11200 psi  | 2 mm/min; ISO 178           |
| Flexural Modulus                 | 2.10 GPa                                     | 305 ksi  | 2 mm/min; ISO 178           |
| Izod Impact, Notched (ISO)       | 17.0 kJ/m <sup>2</sup>                       | 8.09 ft-lb/in <sup>2</sup>                             | 80*10*4; ISO 180/1A         |
| Coefficient of Friction, Dynamic | 0.25   | 0.25   | ASTM D3702 Modified         |
| Coefficient of Friction, Static  | 0.21   | 0.21   | ASTM D3702 Modified         |
| K (wear) Factor                  | 62.4 x 10 <sup>-8</sup> mm <sup>3</sup> /N-M | 31.0 x 10 <sup>-10</sup> in <sup>3</sup> -min/ft-lb-hr | Washer; ASTM D3702 Modified |

| Thermal Properties                          | Metric   | English   | Comments                         |
|---|--|---|----------------------------------|
| CTE, linear, Parallel to Flow               | 79.0 Åµm/m-Å°C<br>@Temperature 23.0 - 60.0 Å°C | 43.9 Åµin/in-Å°F<br>@Temperature 73.4 - 140 Å°F | ISO 11359-2                      |
| CTE, linear, Transverse to Flow             | 79.0 Åµm/m-Å°C<br>@Temperature 23.0 - 60.0 Å°C | 43.9 Åµin/in-Å°F<br>@Temperature 73.4 - 140 Å°F | ISO 11359-2                      |
| Deflection Temperature at 0.46 MPa (66 psi) | 139 Å°C  | 282 Å°F   | Flatw 80*10*4 sp=64mm; ISO 75/Bf |
| Deflection Temperature at 1.8 MPa (264 psi) | 127 Å°C  | 261 Å°F   | Flatw 80*10*4 sp=64mm; ISO 75/Af |
|   | V-1  | V-1   |                                  |

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