

# LNPT<sup>TM</sup> LUBRICOMP<sup>TM</sup> COMPOUND LX91475

LTW  
REGION ASIA

## DESCRIPTION

LNP LUBRICOMP LX91475 compound is based on Polyetheretherketone (PEEK) resin containing proprietary fillers. Added features of this grade include: Easy Molding, High Temperature Bearing Grade, Wear Resistant.

| GENERAL INFORMATION        |   |
|----------------------------|---|
| Features                   | Good Processability, Wear resistant, Dimensional stability, High temperature resistance |
| Fillers                    | Proprietary Filler  |
| Polymer Types              | Polyetheretherketone (PEEK)   |
| Processing Techniques      | Injection Molding   |
| INDUSTRY                   | SUB INDUSTRY  |
| Building and Construction  | Building Component  |
| Consumer                   | Sport/Leisure, Personal Accessory, Home Appliances, Commercial Appliance                |
| Electrical and Electronics | Mobile Phone - Computer - Tablets   |
| Industrial                 | Electrical  |

## TYPICAL PROPERTY VALUES

Revision 20231109

| PROPERTIES                       | TYPICAL VALUES | UNITS  | TEST METHODS                |
|----------------------------------|----------------|--|-----------------------------|
| <b>MECHANICAL <sup>(1)</sup></b> |                |  |                             |
| Tensile Stress, break            | 139            | MPa  | ASTM D638                   |
| Tensile Strain, break            | 2              | %  | ASTM D638                   |
| Tensile Modulus, 50 mm/min       | 11030          | MPa  | ASTM D638                   |
| Flexural Stress                  | 206            | MPa  | ASTM D790                   |
| Flexural Modulus                 | 10340          | MPa  | ASTM D790                   |
| <b>IMPACT <sup>(1)</sup></b>     |                |  |                             |
| Izod Impact, unnotched, 23°C     | 480            | J/m  | ASTM D4812                  |
| Izod Impact, notched, 23°C       | 58             | J/m  | ASTM D256                   |
| <b>THERMAL <sup>(1)</sup></b>    |                |  |                             |
| HDT, 1.82 MPa, 3.2mm, unannealed | 290            | °C   | ASTM D648                   |
| <b>PHYSICAL <sup>(1)</sup></b>   |                |  |                             |
| Density                          | 1.43           | g/cm <sup>3</sup>                                | ASTM D792                   |
| Wear Factor Washer               | 12             | 10 <sup>-10</sup> in <sup>4</sup> 5-min/ft-lb-hr | ASTM D3702 Modified: Manual |
| Dynamic COF                      | 0.35           | -  | ASTM D3702 Modified: Manual |
| Static COF                       | 0.23           | -  | ASTM D3702 Modified: Manual |

(1) The information stated on Technical Datasheets should be used as indicative only for material selection purposes and not be utilized as specification or used for part or tool design.



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