

# LNPT<sup>™</sup> LUBRICOMPT<sup>™</sup> COMPOUND SCL36

SCL-4036  
REGION ASIA

## DESCRIPTION

LNP LUBRICOMP SCL36 compound is based on Nylon 12 resin containing 15% PTFE, 30% carbon fiber. Added features of this grade include: Wear Resistant, Electrically Conductive.

| GENERAL INFORMATION   |   |
|-----------------------|---|
| Features              | Electrically Conductive, Wear resistant, Carbon fiber filled, High stiffness/Strength |
| Fillers               | Carbon Fiber, PTFE  |
| Polymer Types         | Polyamide 12 (Nylon 12)   |
| Processing Techniques | Injection Molding   |

  

| INDUSTRY                   | SUB INDUSTRY   |
|----------------------------|--|
| Automotive                 | Automotive Under the Hood                                |
| Consumer                   | Home Appliances, Commercial Appliance                    |
| Electrical and Electronics | Electronic Components, Mobile Phone - Computer - Tablets |

## TYPICAL PROPERTY VALUES

Revision 20231109

| PROPERTIES                       | TYPICAL VALUES | UNITS             | TEST METHODS |
|----------------------------------|----------------|-------------------|--------------|
| <b>MECHANICAL <sup>(1)</sup></b> |                |                   |              |
| Tensile Stress, break            | 124            | MPa               | ASTM D638    |
| Tensile Strain, break            | 2.7            | %                 | ASTM D638    |
| Tensile Modulus, 50 mm/min       | 15720          | MPa               | ASTM D638    |
| Flexural Stress                  | 206            | MPa               | ASTM D790    |
| Flexural Modulus                 | 13850          | MPa               | ASTM D790    |
| <b>IMPACT <sup>(1)</sup></b>     |                |                   |              |
| Izod Impact, unnotched, 23°C     | 694            | J/m               | ASTM D4812   |
| Izod Impact, notched, 23°C       | 117            | J/m               | ASTM D256    |
| <b>THERMAL <sup>(1)</sup></b>    |                |                   |              |
| HDT, 1.82 MPa, 3.2mm, unannealed | 168            | °C                | ASTM D648    |
| <b>PHYSICAL <sup>(1)</sup></b>   |                |                   |              |
| Density                          | 1.27           | g/cm <sup>3</sup> | ASTM D792    |

(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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