

# LNPT<sup>™</sup> LUBRICOMP<sup>™</sup> COMPOUND KFP032

KFL-4532

REGION ASIA

## DESCRIPTION

LNP LUBRICOMP KFP032 compound is based on Acetal (POM) Copolymer resin containing 10% glass fiber, 25% PTFE/silicone. Added features of this grade include: Wear Resistant.

### GENERAL INFORMATION

|                       |                            |
|-----------------------|----------------------------|
| Features              | Wear resistant             |
| Fillers               | Glass Fiber, PTFE/Silicone |
| Polymer Types         | Acetal (POM) Copolymer     |
| Processing Techniques | Injection Molding          |

### INDUSTRY

Building and Construction  
Consumer  
Electrical and Electronics  
Industrial

### SUB INDUSTRY

Building Component  
Sport/Leisure, Personal Accessory, Home Appliances, Commercial Appliance  
Mobile Phone - Computer - Tablets  
Electrical

## TYPICAL PROPERTY VALUES

Revision 20231109

| PROPERTIES                                 | TYPICAL VALUES | UNITS             | TEST METHODS |
|--------------------------------------------|----------------|-------------------|--------------|
| <strong>MECHANICAL <sup>(1)</sup></strong> |                |                   |              |
| Tensile Stress, break                      | 57             | MPa               | ASTM D638    |
| Tensile Strain, break                      | 2.5            | %                 | ASTM D638    |
| Flexural Stress                            | 82             | MPa               | ASTM D790    |
| Flexural Modulus                           | 3720           | MPa               | ASTM D790    |
| <strong>IMPACT <sup>(1)</sup></strong>     |                |                   |              |
| Izod Impact, notched, 23°C                 | 40             | J/m               | ASTM D256    |
| <strong>THERMAL <sup>(1)</sup></strong>    |                |                   |              |
| HDT, 1.82 MPa, 3.2mm, unannealed           | 155            | °C                | ASTM D648    |
| <strong>PHYSICAL <sup>(1)</sup></strong>   |                |                   |              |
| Density                                    | 1.51           | 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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