

LNPT[™] LUBRICOMP[™] COMPOUND ZP001XXP

ZL-4510
REGION ASIA

DESCRIPTION

LNP LUBRICOMP ZP001XXP compound is based on Polyphenylene Ether / Polystyrene (PPE/PS) blend containing 5% PTFE/silicone. Added features of this grade include: Wear Resistant.

| GENERAL INFORMATION | |
|----------------------------|--|
| Features | Wear resistant |
| Fillers | Unreinforced, PTFE/Silicone |
| Polymer Types | Polyphenylene Ether + PS (PPE+PS) |
| Processing Techniques | Injection Molding |
| INDUSTRY | SUB INDUSTRY |
| Building and Construction | Building Component, Water Management |
| 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 |
|---|----------------|-------------------|--------------|
| MECHANICAL ⁽¹⁾ | | | |
| Tensile Stress, break | 42 | MPa | ASTM D638 |
| Tensile Strain, break | 21.3 | % | ASTM D638 |
| Tensile Modulus, 50 mm/min | 2350 | MPa | ASTM D638 |
| Flexural Stress | 68 | MPa | ASTM D790 |
| Flexural Modulus | 2470 | MPa | ASTM D790 |
| IMPACT ⁽¹⁾ | | | |
| Izod Impact, unnotched, 23°C | 496 | J/m | ASTM D4812 |
| Izod Impact, notched, 23°C | 117 | J/m | ASTM D256 |
| THERMAL ⁽¹⁾ | | | |
| HDT, 1.82 MPa, 3.2mm, unannealed | 118 | °C | ASTM D648 |
| PHYSICAL ⁽¹⁾ | | | |
| Density | 1.08 | g/cm ³ | ASTM D792 |
| Mold Shrinkage, flow, 24 hrs ⁽²⁾ | 0.9 | % | ASTM D955 |

(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.

(2) Measurements made from laboratory test coupon. Actual shrinkage may vary outside of range due to differences in processing conditions, equipment, part geometry and tool design. It is recommended that mold shrinkage studies be performed with surrogate or legacy tooling prior to cutting tools for new molded article.



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