



## LNP\* Lubricomp\* Compound UFL36SXC

### Asia Pacific: COMMERCIAL

Also known as: LNP\* Lubricomp\* Compound BGU BK8-115

Product reorder name: UFL36SXC

LNP\* Lubricomp\* UFL36SXC is a compound based on Polyphthalamide resin containing Glass Fiber, PTFE. Added features of this material include: Internally Lubricated, Heat Stabilized.

| TYPICAL PROPERTIES <sup>1</sup>         | TYPICAL VALUE | UNIT                | STANDARD    |
|-----------------------------------------|---------------|---------------------|-------------|
| <b>MECHANICAL</b>                       |               |                     |             |
| Tensile Stress, break                   | 2000          | kgf/cm <sup>2</sup> | ASTM D 638  |
| Tensile Strain, break                   | 2.5           | %                   | ASTM D 638  |
| Tensile Modulus, 50 mm/min              | 126500        | kgf/cm <sup>2</sup> | ASTM D 638  |
| Flexural Stress                         | 2810          | kgf/cm <sup>2</sup> | ASTM D 790  |
| Flexural Modulus                        | 110300        | kgf/cm <sup>2</sup> | ASTM D 790  |
| Tensile Stress, break                   | 196           | MPa                 | ISO 527     |
| Tensile Strain, break                   | 2.5           | %                   | ISO 527     |
| Tensile Modulus, 1 mm/min               | 9880          | MPa                 | ISO 527     |
| Flexural Stress                         | 286           | MPa                 | ISO 178     |
| Flexural Modulus                        | 11230         | MPa                 | ISO 178     |
| <b>IMPACT</b>                           |               |                     |             |
| Izod Impact, unnotched, 23°C            | 103           | cm-kgf/cm           | ASTM D 4812 |
| Izod Impact, notched, 23°C              | 11            | cm-kgf/cm           | ASTM D 256  |
| Instrumented Impact Energy @ peak, 23°C | 71            | cm-kgf              | ASTM D 3763 |
| Multiaxial Impact                       | 30            | cm-kgf              | ISO 6603    |
| Izod Impact, unnotched 80*10*4 +23°C    | 70            | kJ/m <sup>2</sup>   | ISO 180/1U  |
| Izod Impact, notched 80*10*4 +23°C      | 12            | kJ/m <sup>2</sup>   | ISO 180/1A  |
| <b>THERMAL</b>                          |               |                     |             |
| HDT, 1.82 MPa, 3.2mm, unannealed        | 260           | °C                  | ASTM D 648  |
| HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm   | 255           | °C                  | ISO 75/Af   |
| <b>PHYSICAL</b>                         |               |                     |             |
| Density                                 | 1.55          | g/cm <sup>3</sup>   | ASTM D 792  |
| Moisture Absorption, 50% RH, 24 hrs     | 0.3           | %                   | ASTM D 570  |
| Mold Shrinkage, flow, 24 hrs            | 0.2           | %                   | ASTM D 955  |



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| <b>PHYSICAL</b>                 |               |                                                 |                      |
| Mold Shrinkage, xflow, 24 hrs   | 0.8           | %                                               | ASTM D 955           |
| Mold Shrinkage, flow, 24 hrs    | 0.17          | %                                               | ISO 294              |
| Mold Shrinkage, xflow, 24 hrs   | 0.82          | %                                               | ISO 294              |
| Wear Factor Washer              | 6             | 10 <sup>-10</sup> in <sup>5</sup> -min/ft-lb-hr | ASTM D 3702 Modified |
| Dynamic COF                     | 0.46          | -                                               | ASTM D 3702 Modified |
| Static COF                      | 0.49          | -                                               | ASTM D 3702 Modified |
| Density                         | 1.55          | g/cm <sup>3</sup>                               | ISO 1183             |