

## LNP Lubricomp® PDX-U-95672 BK8-115 Polyphthalamide, Proprietary Filler (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyphthalamide (PPA)

### Material Notes:

Features: LubricatedForms: PelletsProcessing Method: Injection MoldingInformation provided by LNP, a GE Plastics Company.This data sheet is labeled Discontinued; however many LNP grades are still active under new names instituted after the SABIC purchase.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LNP-Lubricomp-PDX-U-95672-BK8-115-Polyphthalamide-Proprietary-Filler-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_LNP-Lubricomp-PDX-U-95672-BK8-115-Polyphthalamide-Proprietary-Filler-nbspdiscontinued-.php)

| Physical Properties | Metric    | English                   | Comments             |
|---------------------|-----------|---------------------------|----------------------|
| Specific Gravity    | 1.46 g/cc | 1.46 g/cc                 | Method A; ASTM D792  |
| Density             | 1.46 g/cc | 0.0527 lb/in <sup>3</sup> | ISO 1183             |
| Water Absorption    | 0.20 %    | 0.20 %                    | at 24 hrs; ASTM D570 |

| Mechanical Properties        | Metric                           | English                              | Comments                                           |
|------------------------------|----------------------------------|--------------------------------------|----------------------------------------------------|
| Tensile Strength at Break    | 163 MPa                          | 23600 psi                            | ASTM D638                                          |
| Elongation at Break          | 1.7 %                            | 1.7 %                                | ASTM D638                                          |
| Tensile Modulus              | 12.8 GPa                         | 1860 ksi                             | ASTM D638                                          |
| Flexural Strength            | 255 MPa                          | 37000 psi                            | ASTM D790                                          |
| Flexural Modulus             | 11.2 GPa                         | 1620 ksi                             | ASTM D790                                          |
| Izod Impact, Notched         | 0.534 J/cm<br>@Thickness 3.18 mm | 1.00 ft-lb/in<br>@Thickness 0.125 in | ASTM D256                                          |
| Izod Impact, Unnotched       | 6.30 J/cm<br>@Thickness 3.18 mm  | 11.8 ft-lb/in<br>@Thickness 0.125 in | ASTM D256                                          |
| Izod Impact, Notched (ISO)   | 6.30 kJ/m <sup>2</sup>           | 3.00 ft-lb/in <sup>2</sup>           | ISO 180                                            |
| Izod Impact, Unnotched (ISO) | 44.0 kJ/m <sup>2</sup>           | 20.9 ft-lb/in <sup>2</sup>           | ISO 180                                            |
| Falling Dart Impact          | 4.10 J                           | 3.02 ft-lb                           | ASTM D3763                                         |
| Impact Test                  | 2.00 J                           | 1.48 ft-lb                           | Multi-Axial Instrumented Impact Energy; ISO 6603-2 |

| Thermal Properties                          | Metric | English | Comments              |
|---------------------------------------------|--------|---------|-----------------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 260 °C | 500 °F  | Unannealed; ASTM D648 |

| Processing Properties | Metric            | English         | Comments  |
|-----------------------|-------------------|-----------------|-----------|
| Melt Temperature      | 321 - 349 °C      | 610 - 660 °F    |           |
| Mold Temperature      | 48.9 - 104 °C     | 120 - 219 °F    |           |
| Drying Temperature    | 121 - 149 °C      | 250 - 300 °F    |           |
| Dry Time              | 4 hour            | 4 hour          |           |
| Moisture Content      | 0.15 %            | 0.15 %          | Suggested |
| Back Pressure         | 0.345 - 0.689 MPa | 50.0 - 99.9 psi |           |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Color                  | Black |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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