

## PolyOne LubriOne™ NI-30CF/15T-2S Polyamide 610 (Nylon 610)

Category : Polymer , Thermoplastic , Nylon , Nylon 610

### Material Notes:

LubriOne™ Lubricated and Wear-Resistant Compounds have been specifically formulated to be self-lubricating materials, offering low coefficient of friction and improved wear resistance properties. LubriOne compounds have been demonstrated to reduce friction, noise, vibration, heat buildup and improve product durability. Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-LubriOne-NI-30CF15T-2S-Polyamide-610-Nylon-610.php](http://www.lookpolymers.com/polymer_PolyOne-LubriOne-NI-30CF15T-2S-Polyamide-610-Nylon-610.php)

| Physical Properties | Metric    | English   | Comments  |
|---------------------|-----------|-----------|-----------|
| Specific Gravity    | 1.31 g/cc | 1.31 g/cc | ASTM D792 |

| Mechanical Properties     | Metric                                                  | English                                                      | Comments                      |
|---------------------------|---------------------------------------------------------|--------------------------------------------------------------|-------------------------------|
| Tensile Strength at Break | 172 MPa                                                 | 24900 psi                                                    | Type I, 5.1 mm/min; ASTM D638 |
| Elongation at Break       | 4.0 %                                                   | 4.0 %                                                        | Type I, 5.1 mm/min; ASTM D638 |
| Tensile Modulus           | 10.3 GPa                                                | 1490 ksi                                                     | Type I, 5.1 mm/min; ASTM D638 |
| Flexural Strength         | 221 MPa                                                 | 32100 psi                                                    | ASTM D790                     |
| Flexural Modulus          | 10.3 GPa                                                | 1490 ksi                                                     | ASTM D790                     |
| Izod Impact, Notched      | 2.40 J/cm<br>@Thickness 6.35 mm,<br>Temperature 23.0 °C | 4.50 ft-lb/in<br>@Thickness 0.250 in,<br>Temperature 73.4 °F | Injection Molded; ASTM D256A  |

| Electrical Properties | Metric       | English      | Comments  |
|-----------------------|--------------|--------------|-----------|
| Volume Resistivity    | 10000 ohm-cm | 10000 ohm-cm | ASTM D257 |
| Surface Resistance    | 1.00e+6 ohm  | 1.00e+6 ohm  | ASTM D257 |

| Descriptive Properties | Value                     | Comments |
|------------------------|---------------------------|----------|
| Features               | Lubricated                |          |
| Forms                  | Pellets                   |          |
| Generic Material       | Nylon 610                 |          |
| Generic Name           | Polyamide 610 (Nylon 610) |          |
| Regional Availability  | Africa & Middle East      |          |
|                        | Asia Pacific              |          |

| Descriptive Properties | Value                | Comments |
|------------------------|----------------------|----------|
|                        | South America        |          |
| Uses                   | Appliance Components |          |
|                        | Conveyor Parts       |          |
|                        | Printer Parts        |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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