

## PolyOne LubriOne™ PC-000/15T Polycarbonate (PC)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

### Material Notes:

Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-LubriOne-PC-00015T-Polycarbonate-PC.php](http://www.lookpolymers.com/polymer_PolyOne-LubriOne-PC-00015T-Polycarbonate-PC.php)

| Physical Properties         | Metric                        | English                        | Comments            |
|-----------------------------|-------------------------------|--------------------------------|---------------------|
| Specific Gravity            | 1.28 g/cc                     | 1.28 g/cc                      | ASTM D792           |
| Water Absorption            | 0.18 %<br>@Thickness 0.508 mm | 0.18 %<br>@Thickness 0.0200 in | @ 24 hrs; ASTM D570 |
| Linear Mold Shrinkage, Flow | 0.0060 - 0.0080 cm/cm         | 0.0060 - 0.0080 in/in          | ASTM D955           |

| Mechanical Properties     | Metric  | English  | Comments                      |
|---------------------------|---|--|-------------------------------|
| Tensile Strength at Break | 55.2 MPa  | 8010 psi   | Type I, 5.1 mm/min; ASTM D638 |
| Elongation at Break       | 8.0 %   | 8.0 %  | Type I, 5.1 mm/min; ASTM D638 |
| Tensile Modulus           | 2.41 GPa  | 350 ksi  | Type I, 5.1 mm/min; ASTM D638 |
| Flexural Strength         | 82.7 MPa  | 12000 psi  | ASTM D790                     |
| Flexural Modulus          | 2.41 GPa  | 350 ksi  | ASTM D790                     |
| Izod Impact, Notched      | 1.30 J/cm<br>@Thickness 6.35 mm,<br>Temperature 23.0 °C | 2.44 ft-lb/in<br>@Thickness 0.250 in,<br>Temperature 73.4 °F | Injection Molded; ASTM D256A  |

| Processing Properties | Metric       | English      | Comments |
|-----------------------|--------------|--------------|----------|
| Melt Temperature      | 288 - 316 °C | 550 - 601 °F |          |
| Mold Temperature      | 121 °C       | 250 °F       |          |
| Drying Temperature    | 121 °C       | 250 °F       |          |
| Dry Time              | 4.00 hour    | 4.00 hour    |          |

| Descriptive Properties | Value      | Comments |
|------------------------|------------|----------|
| Features               | Lubricated |          |
| Forms                  | Pellets    |          |
| Generic Material       | PC         |          |

| Descriptive Properties | Value                | Comments |
|------------------------|----------------------|----------|
| Generic Name           | Polycarbonate (PC)   |          |
| Regional Availability  | Africa & Middle East |          |
|                        | Asia Pacific         |          |
|                        | Europe               |          |
|                        | North America        |          |
|                        | South America        |          |
| Uses                   | Appliance Components |          |
|                        | Conveyor Parts       |          |
|                        | Printer Parts        |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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