

## Polyram Polytron A40B02 Nylon 66, 40% Long Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 40% Glass Fiber Filled

### Material Notes:

A 40% LONG FIBER GLASS REINFORCED BLACK NYLON 6.6 HEAT STABILIZED, UV STABILIZED FOR INJECTION MOLDING APPLICATION. Information provided by Polyram Ram On Ind.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polyram-Polytron-A40B02-Nylon-66-40-Long-Fiber.php](http://www.lookpolymers.com/polymer_Polyram-Polytron-A40B02-Nylon-66-40-Long-Fiber.php)

| Physical Properties   | Metric       | English                   | Comments  |
|-----------------------|--------------|---------------------------|-----------|
| Density               | 1.48 g/cc    | 0.0535 lb/in <sup>3</sup> | ASTM-D792 |
| Linear Mold Shrinkage | 0.0022 cm/cm | 0.0022 in/in              |           |

| Mechanical Properties   | Metric                            | English                               | Comments  |
|-------------------------|-----------------------------------|---------------------------------------|-----------|
| Tensile Strength, Yield | 230 MPa                           | 33400 psi                             | ASTM-D638 |
| Elongation at Break     | 1.9 %                             | 1.9 %                                 | ASTM-D638 |
| Tensile Modulus         | 13.3 GPa                          | 1930 ksi                              | ASTM-D790 |
| Flexural Strength       | 340 MPa                           | 49300 psi                             | ASTM-D790 |
| Flexural Modulus        | 11.2 GPa                          | 1620 ksi                              | ASTM-D790 |
| Izod Impact, Notched    | 3.00 J/cm<br>@Temperature 23.0 °C | 5.62 ft-lb/in<br>@Temperature 73.4 °F | ASTM-D256 |

| Thermal Properties                          | Metric | English | Comments  |
|---|--------|---------|-----------|
| Deflection Temperature at 1.8 MPa (264 psi) | 255 °C | 491 °F  | ASTM-D648 |

| Processing Properties     | Metric             | English            | Comments |
|---------------------------|--------------------|--------------------|----------|
| Rear Barrel Temperature   | 285 °C             | 545 °F             |          |
| Middle Barrel Temperature | 290 °C             | 554 °F             |          |
| Front Barrel Temperature  | 300 °C             | 572 °F             |          |
| Nozzle Temperature        | 290 °C             | 554 °F             |          |
| Melt Temperature          | 300 °C             | 572 °F             |          |
| Mold Temperature          | 95.0 °C            | 203 °F             |          |
| Injection Velocity        | 50.0 - 75.0 mm/sec | 1.97 - 2.95 in/sec |          |

| Processing Properties | Metric            | English         | Comments |
|-----------------------|-------------------|-----------------|----------|
| Back Pressure         | 0.150 - 0.350 MPa | 21.8 - 50.8 psi |          |
| Cushion               | 0.650 cm          | 0.256 in        |          |
| Screw Speed           | 30 - 50 rpm       | 30 - 50 rpm     |          |

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China