

Polyram Polytron A50N02 Nylon 66, Chemically Coupled 50% Long Fiber

Categories: [Polymer](#); [Thermoplastic](#); [Nylon](#); [Nylon 66](#); [Nylon 66, 50% Glass Fiber Filled](#)

Material Notes: A CHEMICALLY COUPLED 50% LONG FIBER GLASS REINFORCED NATURAL NYLON 6.6 HEAT STABILIZED, UV STABILIZED FOR INJECTION

Information provided by Polyram Ram On Ind.

Vendors:



Polymer Technology and Services, LLC, is a supplier of high quality name brand and generic engineering thermoplastics. Visit www.ptslc.com, Phone (800)-475-1701, or Fax (615) 898-1697.

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| Physical Properties | Metric | English | Comments |
|---|-----------------------------------|---------------------------------------|-----------|
| Density | 1.58 g/cc | 0.0571 lb/in ³ | ASTM-D792 |
| Mechanical Properties | Metric | English | Comments |
| Tensile Strength, Yield | 265 MPa | 38400 psi | ASTM-D638 |
| Elongation at Break | 1.9 % | 1.9 % | ASTM-D638 |
| Tensile Modulus | 17.2 GPa | 2490 ksi | ASTM-D790 |
| Flexural Strength | 420 MPa | 60900 psi | ASTM-D790 |
| Flexural Modulus | 15.5 GPa | 2250 ksi | ASTM-D790 |
| Izod Impact, Notched | 4.50 J/cm @Temperature 23.0 °C | 8.43 ft-lb/in @Temperature 73.4 °F | ASTM-D256 |
| Thermal Properties | Metric | English | Comments |
| Deflection Temperature at 1.8 MPa (264 psi) | 253 °C | 487 °F | ASTM-D648 |

Some of the values displayed above may have been converted from their original units and/or rounded in order to display the information in a consistent format. Users requiring more precise data for scientific or engineering calculations can click on the property value to see the original value as well as raw conversions to equivalent units. We advise that you only use the original value or one of its raw conversions in your calculations to minimize rounding error. We also ask that you refer to MatWeb's [terms of use](#) regarding this information. [Click here](#) to view all the property values for this datasheet as they were originally entered into MatWeb.