

Polyram Polytron A50B02 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 BLACK 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.ptsilc.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.