

## Polyram PA310G8 Nylon 66, 40% Glass Fiber Reinforced, Heat Stabilized

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

**Material Notes:**

Information provided by Polymer Technology and Services, LLC (PTS).

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polyram-PA310G8-Nylon-66-40-Glass-Fiber-Reinforced-Heat-Stabilized.php](http://www.lookpolymers.com/polymer_Polyram-PA310G8-Nylon-66-40-Glass-Fiber-Reinforced-Heat-Stabilized.php)

Physical Properties	Metric	English	Comments
Density	1.48 g/cc	0.0535 lb/in <sup>3</sup>	DIN 53479
Water Absorption	4.7 %	4.7 %	DIN 53495

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	122	122	ASTM D785
Tensile Strength, Yield	210.0 MPa @Thickness 3.17 mm	30460 psi @Thickness 0.125 in	ASTM D638
Elongation at Break	2.0 % @Thickness 3.17 mm	2.0 % @Thickness 0.125 in	ASTM D638
Flexural Strength	320 MPa @Thickness 3.17 mm	46400 psi @Thickness 0.125 in	ASTM D790
Flexural Modulus	13.5 GPa @Thickness 3.17 mm	1960 ksi @Thickness 0.125 in	ASTM D790
Izod Impact, Notched	1.30 J/cm @Thickness 3.17 mm	2.43 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	ASTM D789
Deflection Temperature at 0.46 MPa (66 psi)	250 °C	482 °F	DIN 53461
Deflection Temperature at 1.8 MPa (264 psi)	250 °C	482 °F	ASTM D648
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

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