

**Grupo Repol Dinalon® A1S25 G50 PA66 50% Glass Fiber**

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 50% Glass Fiber Filled

**Material Notes:**

Mechanical properties for Dry As Molded samples Information provided by Grupo Repol

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Grupo-Repol-Dinalon-A1S25-G50-PA66-50-Glass-Fiber.php](http://www.lookpolymers.com/polymer_Grupo-Repol-Dinalon-A1S25-G50-PA66-50-Glass-Fiber.php)

Physical Properties	Metric	English	Comments
Density	1.59 g/cc	0.0574 lb/in <sup>3</sup>	ISO 1183/A
Moisture Absorption at Equilibrium	<= 0.25 %	<= 0.25 %	Karl-Fischer; ISO 15512/A

Mechanical Properties	Metric	English	Comments
Tensile Modulus	16.0 GPa	2320 ksi	ISO 527
Flexural Strength	325 MPa	47100 psi	ISO 178
Flexural Modulus	10.5 GPa	1520 ksi	ISO 178
Charpy Impact Unnotched	10.0 J/cm <sup>2</sup> @Temperature 23.0 °C	47.6 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	1.50 J/cm <sup>2</sup> @Temperature 23.0 °C	7.14 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	255 °C	491 °F	ISO 75/A
Vicat Softening Point	>= 230 °C	>= 446 °F	50N; ISO 306

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