

**Grupo Repol Dinalon® A1S25 G30 PA66 30% Glass Fiber**

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% 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-G30-PA66-30-Glass-Fiber.php](http://www.lookpolymers.com/polymer_Grupo-Repol-Dinalon-A1S25-G30-PA66-30-Glass-Fiber.php)

Physical Properties	Metric	English	Comments
Density	1.38 g/cc	0.0499 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 Strength at Break	210 MPa	30500 psi	ISO 527
Elongation at Break	3.5 %	3.5 %	ISO 527
Tensile Modulus	11.0 GPa	1600 ksi	ISO 527
Flexural Strength	265 MPa	38400 psi	ISO 178
Flexural Modulus	7.40 GPa	1070 ksi	ISO 178
Charpy Impact Unnotched	7.80 J/cm <sup>2</sup> @Temperature 23.0 °C	37.1 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	1.30 J/cm <sup>2</sup> @Temperature 23.0 °C	6.19 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)	250 °C	482 °F	ISO 75/A
Vicat Softening Point	255 °C	491 °F	50N; ISO 306

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