

**Grupo Repol Dinalon® B1S25 PA6 Unreinforced**

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced

**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-B1S25-PA6-Unreinforced.php](http://www.lookpolymers.com/polymer_Grupo-Repol-Dinalon-B1S25-PA6-Unreinforced.php)

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 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	80.0 MPa	11600 psi	ISO 527
Elongation at Yield	3.5 %	3.5 %	ISO 527
Tensile Modulus	3.30 GPa	479 ksi	ISO 527
Flexural Strength	85.0 MPa	12300 psi	ISO 178
Flexural Modulus	1.80 GPa	261 ksi	ISO 178
Charpy Impact Unnotched	NB @Temperature 23.0 Â°C	NB @Temperature 73.4 Â°F	ISO 179/1eU
Charpy Impact, Notched	0.240 J/cm <sup>2</sup> @Temperature 23.0 Â°C	1.14 ft-lb/in <sup>2</sup> @Temperature 73.4 Â°F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	60.0 Â°C	140 Â°F	ISO 75/A
Vicat Softening Point	>= 200 Â°C	>= 392 Â°F	50N; ISO 306

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