

**Grupo Repol Dinalon® B1S25 N Fast Cycling, Nucleated Nylon 6**

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Nucleated

**Material Notes:**

Mechanical properties are 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-N-Fast-Cycling-Nucleated-Nylon-6.php](http://www.lookpolymers.com/polymer_Grupo-Repol-Dinalon-B1S25-N-Fast-Cycling-Nucleated-Nylon-6.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, Yield	90.0 MPa	13100 psi	ISO 527
Elongation at Yield	4.0 %	4.0 %	ISO 527
Flexural Strength	105 MPa	15200 psi	ISO 178
Flexural Modulus	3.00 GPa	435 ksi	ISO 178
Izod Impact, Notched (ISO)	3.00 kJ/m <sup>2</sup> @Temperature 23.0 °C	1.43 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 180/1A
Charpy Impact Unnotched	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	<= 1.00 J/cm <sup>2</sup> @Temperature 23.0 °C	<= 4.76 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)	65.0 °C	149 °F	ISO 75/A
Vicat Softening Point	>= 200 °C	>= 392 °F	50 N; ISO 306

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