

Grupo Repol Dinalon® B1S25 G10B20 PA6 10% Glass Fiber, 20% Glass Beads

Category : Polymer , Thermoplastic , Nylon , Nylon 6

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-G10B20-PA6-10-Glass-Fiber-20-Glass-Beads.php

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in ³	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	115 MPa	16700 psi	ISO 527
Elongation at Break	3.5 %	3.5 %	ISO 527
Tensile Modulus	6.10 GPa	885 ksi	ISO 527
Flexural Strength	140 MPa	20300 psi	ISO 178
Flexural Modulus	4.20 GPa	609 ksi	ISO 178
Charpy Impact Unnotched	3.50 J/cm ² @Temperature 23.0 °C	16.7 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	0.450 J/cm ² @Temperature 23.0 °C	2.14 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	185 °C	365 °F	ISO 75/A
Vicat Softening Point	>= 200 °C	>= 392 °F	50N; ISO 306

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