

Grupo Repol Dinalon® A1S25 B30 PA66 30% Glass Beads

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass Bead 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-B30-PA66-30-Glass-Beads.php

Physical Properties	Metric	English	Comments
Density	1.38 g/cc	0.0499 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	65.0 MPa	9430 psi	ISO 527
Elongation at Break	5.0 %	5.0 %	ISO 527
Tensile Modulus	5.00 GPa	725 ksi	ISO 527
Flexural Strength	100 MPa	14500 psi	ISO 178
Flexural Modulus	3.30 GPa	479 ksi	ISO 178
Charpy Impact Unnotched	3.00 J/cm ² @Temperature 23.0 °C	14.3 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	0.200 J/cm ² @Temperature 23.0 °C	0.952 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	80.0 °C	176 °F	ISO 75/A
Vicat Softening Point	>= 230 °C	>= 446 °F	50N; ISO 306

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