

Grupo Repol Dinalon® A1S25 G15 PA66 15% Glass Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 20% 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-G15-PA66-15-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 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	130 MPa	18900 psi	ISO 527
Elongation at Break	2.8 %	2.8 %	ISO 527
Tensile Modulus	6.50 GPa	943 ksi	ISO 527
Flexural Strength	165 MPa	23900 psi	ISO 178
Flexural Modulus	4.30 GPa	624 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	0.550 J/cm ² @Temperature 23.0 °C	2.62 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	240 °C	464 °F	ISO 75/A
Vicat Softening Point	>= 230 °C	>= 446 °F	50N; ISO 306

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