

Grupo Repol Dinalon® B1S25 G25XV0 PA6 25% Glass Fiber V0

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 30% 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-B1S25-G25XV0-PA6-25-Glass-Fiber-V0.php

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 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	160 MPa	23200 psi	ISO 527
Elongation at Break	2.7 %	2.7 %	ISO 527
Tensile Modulus	9.00 GPa	1310 ksi	ISO 527
Flexural Strength	200 MPa	29000 psi	ISO 178
Flexural Modulus	7.20 GPa	1040 ksi	ISO 178
Charpy Impact Unnotched	6.00 J/cm ² @Temperature 23.0 Â°C	28.6 ft-lb/in ² @Temperature 73.4 Â°F	ISO 179/1eU
Charpy Impact, Notched	1.00 J/cm ² @Temperature 23.0 Â°C	4.76 ft-lb/in ² @Temperature 73.4 Â°F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	200 Â°C	392 Â°F	ISO 75/A
Vicat Softening Point	>= 200 Â°C	>= 392 Â°F	50N; ISO 306
Flammability, UL94	V-0 @Thickness 1.60 mm	V-0 @Thickness 0.0630 in	
Glow Wire Test	960 Â°C	1760 Â°F	UNE-EN 60695

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