

Grupo Repol Dinalon® B1S25 G30PV0 30% Glass Reinforced, V-0 Rated (Phosphorous) Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 30% Glass Fiber Filled

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-G30PV0-30-Glass-Reinforced-V-0-Rated-Phosphorous-Nylon-6.php

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 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, Yield	120 MPa	17400 psi	ISO 527
Elongation at Yield	4.0 %	4.0 %	ISO 527
Flexural Strength	180 MPa	26100 psi	ISO 178
Flexural Modulus	7.00 GPa	1020 ksi	ISO 178
Izod Impact, Notched (ISO)	10.0 kJ/m ² @Temperature 23.0 °C	4.76 ft-lb/in ² @Temperature 73.4 °F	ISO 180/1A
Charpy Impact Unnotched	6.00 J/cm ² @Temperature 23.0 °C	28.6 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	>= 1.10 J/cm ² @Temperature 23.0 °C	>= 5.24 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	205 °C	401 °F	ISO 75/A
Vicat Softening Point	>= 200 °C	>= 392 °F	50 N; ISO 306
Flammability, UL94	V-0 @Thickness 1.60 mm	V-0 @Thickness 0.0630 in	
Glow Wire Test	960 °C	1760 °F	IEC 695

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