

Grupo Repol Dinalon® A1S25 G25PV0 25% Glass Reinforced, V-0 Rated (Phosphorous) Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 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-A1S25-G25PV0-25-Glass-Reinforced-V-0-Rated-Phosphorous-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 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	140 MPa	20300 psi	ISO 527
Elongation at Yield	3.0 %	3.0 %	ISO 527
Flexural Strength	180 MPa	26100 psi	ISO 178
Flexural Modulus	6.50 GPa	943 ksi	ISO 178
Izod Impact, Notched (ISO)	7.00 kJ/m ² @Temperature 23.0 °C	3.33 ft-lb/in ² @Temperature 73.4 °F	ISO 180/1A
Charpy Impact Unnotched	4.00 J/cm ² @Temperature 23.0 °C	19.0 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	>= 1.00 J/cm ² @Temperature 23.0 °C	>= 4.76 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	250 °C	482 °F	ISO 75/A
Vicat Softening Point	>= 230 °C	>= 446 °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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