

Grupo Repol Dinalon® A1S25 G35 35% Glass Fiber Reinforced Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 40% 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-G35-35-Glass-Fiber-Reinforced-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 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	200 MPa	29000 psi	ISO 527
Elongation at Break	3.0 %	3.0 %	ISO 527
Flexural Strength	290 MPa	42100 psi	ISO 178
Flexural Modulus	9.50 GPa	1380 ksi	ISO 178
Izod Impact, Notched (ISO)	12.0 kJ/m ² @Temperature 23.0 °C	5.71 ft-lb/in ² @Temperature 73.4 °F	ISO 180/1A
Charpy Impact Unnotched	9.00 J/cm ² @Temperature 23.0 °C	42.8 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	1.30 J/cm ² @Temperature 23.0 °C	6.19 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

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