

Grupo Repol Dinalon® A1X25 HI PA66 High Impact

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Impact Grade

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-A1X25-HI-PA66-High-Impact.php

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 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	50.0 MPa	7250 psi	ISO 527
Elongation at Yield	4.5 %	4.5 %	ISO 527
Tensile Modulus	1.90 GPa	276 ksi	ISO 527
Flexural Strength	60.0 MPa	8700 psi	ISO 178
Flexural Modulus	1.30 GPa	189 ksi	ISO 178
Charpy Impact Unnotched	NB @Temperature 23.0 Â°C	NB @Temperature 73.4 Â°F	ISO 179/1eU
Charpy Impact, Notched	9.00 J/cm ² @Temperature 23.0 Â°C	42.8 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)	60.0 Â°C	140 Â°F	ISO 75/A
Vicat Softening Point	>= 200 Â°C	>= 392 Â°F	50N; ISO 306

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