

Grupo Repol Dinalon® B2S35 V2-7035 PA6 High Viscosity, V2 Halogen Free, RAL 7035

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Unreinforced, Flame Retardant

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-B2S35-V2-7035-PA6-High-Viscosity-V2-Halogen-Free-RAL-7035.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in³	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	75.0 MPa	10900 psi	ISO 527
Elongation at Yield	4.0 %	4.0 %	ISO 527
Tensile Modulus	3.30 GPa	479 ksi	ISO 527
Flexural Strength	80.0 MPa	11600 psi	ISO 178
Flexural Modulus	1.80 GPa	261 ksi	ISO 178
Charpy Impact Unnotched	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	0.300 J/cm² @Temperature 23.0 °C	1.43 ft-lb/in² @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	55.0 °C	131 °F	ISO 75/A
Vicat Softening Point	>= 200 °C	>= 392 °F	50N; ISO 306
Flammability, UL94	V-2 @Thickness 1.60 mm	V-2 @Thickness 0.0630 in	

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