

**Grupo Repol Dinalon® A1S25 G30XV0 PA66 30% Glass Fiber V0**

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass Fiber Filled, 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-A1S25-G30XV0-PA66-30-Glass-Fiber-V0.php](http://www.lookpolymers.com/polymer_Grupo-Repol-Dinalon-A1S25-G30XV0-PA66-30-Glass-Fiber-V0.php)

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0578 lb/in <sup>3</sup>	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	170 MPa	24700 psi	ISO 527
Elongation at Break	1.9 %	1.9 %	ISO 527
Tensile Modulus	12.0 GPa	1740 ksi	ISO 527
Flexural Strength	220 MPa	31900 psi	ISO 178
Flexural Modulus	8.50 GPa	1230 ksi	ISO 178
Charpy Impact Unnotched	5.50 J/cm <sup>2</sup> @Temperature 23.0 °C	26.2 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	1.20 J/cm <sup>2</sup> @Temperature 23.0 °C	5.71 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	240 °C	464 °F	ISO 75/A
Vicat Softening Point	>= 230 °C	>= 446 °F	50N; ISO 306
Flammability, UL94	V-0 @Thickness 1.60 mm	V-0 @Thickness 0.0630 in	
Glow Wire Test	960 °C	1760 °F	UNE-EN 60695

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