

DSM Novamid® 1010GN2-15 NAT PA6-GF15 FR(17)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Glass/Mineral Reinforced

Material Notes:

15% Glass Reinforced, Flame Retardant, Injection Molding, High Flow

Order this product through the following link:

http://www.lookpolymers.com/polymer_DSM-Novamid-1010GN2-15-NAT-PA6-GF15-FR17.php

Physical Properties	Metric	English	Comments
Density	1.48 g/cc	0.0535 lb/in ³	dry; ISO 1183
Moisture Absorption	2.00 %	2.00 %	Sim. To ISO 62
Linear Mold Shrinkage, Flow	0.0030 cm/cm	0.0030 in/in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.011 cm/cm	0.011 in/in	ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	122 MPa	17700 psi	dry; ISO 527-1/-2
Elongation at Break	2.5 %	2.5 %	dry; ISO 527-1/-2
Flexural Strength	135 MPa	19600 psi	cond; ISO 178
	180 MPa	26100 psi	dry; ISO 178
Flexural Modulus	4.20 GPa	609 ksi	cond; ISO 178
	6.00 GPa	870 ksi	dry; ISO 178
Charpy Impact Unnotched	3.00 J/cm ²	14.3 ft-lb/in ²	dry; ISO 179/1eU
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	5.00 J/cm ²	23.8 ft-lb/in ²	cond; ISO 179/1eU
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.700 J/cm ²	3.33 ft-lb/in ²	dry; ISO 179/1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	0.900 J/cm ²	4.28 ft-lb/in ²	cond; ISO 179/1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa			

(66 psi) Thermal Properties	220 °C Metric	428 °F English	dry; ISO 75-1/-2 Comments
Deflection Temperature at 1.8 MPa (264 psi)	205 °C	401 °F	dry; ISO 75-1/-2
Flammability, UL94	V-0 @Thickness 0.800 mm	V-0 @Thickness 0.0315 in	dry; IEC 60695-11-10

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