

**DSM Novamid® 1010GN2-15Z BK701 PA6-GF15 FR(17)**

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

**Material Notes:**

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

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DSM-Novamid-1010GN2-15Z-BK701-PA6-GF15-FR17.php](http://www.lookpolymers.com/polymer_DSM-Novamid-1010GN2-15Z-BK701-PA6-GF15-FR17.php)

Physical Properties	Metric	English	Comments
Density	1.48 g/cc	0.0535 lb/in <sup>3</sup>	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	118 MPa	17100 psi	dry; ISO 527-1/-2
Elongation at Break	2.5 %	2.5 %	dry; ISO 527-1/-2
Flexural Strength	130 MPa	18900 psi	cond; ISO 178
	175 MPa	25400 psi	dry; ISO 178
Flexural Modulus	4.20 GPa	609 ksi	cond; ISO 178
	6.00 GPa	870 ksi	dry; ISO 178
Charpy Impact, Notched	0.650 J/cm <sup>2</sup>	3.09 ft-lb/in <sup>2</sup>	dry; ISO 179/1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	0.800 J/cm <sup>2</sup>	3.81 ft-lb/in <sup>2</sup>	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)	220 °C	428 °F	dry; ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	205 °C	401 °F	dry; ISO 75-1/-2

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