

DSM Novamid® 1015G50 NA/BK37 PA6-GF50

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 50% Glass Fiber Filled

Material Notes:

50% Glass Reinforced, Injection Molding

Order this product through the following link:

http://www.lookpolymers.com/polymer_DSM-Novamid-1015G50-NABK37-PA6-GF50.php

Physical Properties	Metric	English	Comments
Density	1.57 g/cc	0.0567 lb/in³	dry; ISO 1183
Moisture Absorption	1.70 %	1.70 %	Sim. To ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	230 MPa	33400 psi	dry; ISO 527-1/-2
Elongation at Break	4.1 %	4.1 %	dry; ISO 527-1/-2
Tensile Modulus	15.0 GPa	2180 ksi	dry; ISO 527-1/-2
Flexural Strength	370 MPa	53700 psi	dry; ISO 178
Flexural Modulus	1.60 GPa	232 ksi	dry; ISO 178
Charpy Impact Unnotched	10.5 J/cm² @Temperature 23.0 °C	50.0 ft-lb/in² @Temperature 73.4 °F	dry; ISO 179/1eU
Charpy Impact, Notched	2.00 J/cm² @Temperature 23.0 °C	9.52 ft-lb/in² @Temperature 73.4 °F	dry; ISO 179/1eA

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

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