

DSM Novamid® 3010CF30 BK PA66-CF30

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Carbon Fiber Filled

Material Notes:

30% Carbon Reinforced

Order this product through the following link:

http://www.lookpolymers.com/polymer_DSM-Novamid-3010CF30-BK-PA66-CF30.php

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in ³	dry; ISO 1183
Moisture Absorption	2.00 %	2.00 %	Sim. To ISO 62
Linear Mold Shrinkage, Flow	0.0020 cm/cm	0.0020 in/in	Sim. To ISO 294-4
Linear Mold Shrinkage, Transverse	0.0080 cm/cm	0.0080 in/in	Sim. To ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	230 MPa	33400 psi	dry; ISO 527-1/-2
Elongation at Break	2.8 %	2.8 %	dry; ISO 527-1/-2
Flexural Strength	343 MPa	49700 psi	dry; ISO 178
Flexural Modulus	17.0 GPa	2470 ksi	dry; ISO 178
Charpy Impact, Notched	1.00 J/cm ² @Temperature 23.0 °C	4.76 ft-lb/in ² @Temperature 73.4 °F	dry; ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	260 °C	500 °F	dry; ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	245 °C	473 °F	dry; ISO 75-1/-2

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