

DSM Novamid® 1010GN7-20 BK37 PA6-GF20 FR(30) 0

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 20% Glass Fiber Filled

Material Notes:

20% Glass Reinforced, Flame Retardant, Halogen free

Order this product through the following link:

http://www.lookpolymers.com/polymer_DSM-Novamid-1010GN7-20-BK37-PA6-GF20-FR30-0.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|---------------------------|----------------|
| Density | 1.29 g/cc | 0.0466 lb/in ³ | dry; ISO 1183 |
| Moisture Absorption | 2.30 % | 2.30 % | Sim. To ISO 62 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|-------------------------|-----------------------------|--------------------|
| Tensile Strength, Ultimate | 38.0 MPa | 5510 psi | cond; ISO 527-1/-2 |
| | 77.0 MPa | 11200 psi | dry; ISO 527-1/-2 |
| Elongation at Break | 4.0 % | 4.0 % | dry; ISO 527-1/-2 |
| | 8.0 % | 8.0 % | cond; ISO 527-1/-2 |
| Tensile Modulus | 3.20 GPa | 464 ksi | cond; ISO 527-1/-2 |
| | 5.40 GPa | 783 ksi | dry; ISO 527-1/-2 |
| Flexural Strength | 60.0 MPa | 8700 psi | cond; ISO 178 |
| | 125 MPa | 18100 psi | dry; ISO 178 |
| Flexural Modulus | 1.50 GPa | 218 ksi | cond; ISO 178 |
| | 4.00 GPa | 580 ksi | dry; ISO 178 |
| Charpy Impact Unnotched | 4.50 J/cm ² | 21.4 ft-lb/in ² | cond; ISO 179/1eU |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |
| Charpy Impact Unnotched | 4.50 J/cm ² | 21.4 ft-lb/in ² | dry; ISO 179/1eU |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |
| Charpy Impact, Notched | 0.200 J/cm ² | 0.952 ft-lb/in ² | dry; ISO 179/1eA |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |
| Charpy Impact, Notched | 0.500 J/cm ² | 2.38 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 |

| Electrical Properties | Metric | English | Comments |
|----------------------------|--------|---------|----------------|
| Comparative Tracking Index | 600 V | 600 V | dry; IEC 60112 |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China