

## Gromax BTE35-DN00N1 Nylon 6 (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced

### Material Notes:

Information provided by Gromax Enterprises Corp.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Gromax-BTE35-DN00N1-Nylon-6-Dry.php](http://www.lookpolymers.com/polymer_Gromax-BTE35-DN00N1-Nylon-6-Dry.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.08 g/cc	1.08 g/cc	ISO 1183
Moisture Absorption	1.80 %	1.80 %	ISO 62
Maximum Moisture Content	0.10	0.10	Karl Fischer
Linear Mold Shrinkage, Flow	0.018 cm/cm	0.018 in/in	60x60x2 mm; ISO 294-4
Linear Mold Shrinkage, Transverse	0.019 cm/cm	0.019 in/in	60x60x2 mm; ISO 294-4

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	67	67	[N/mm <sup>2</sup> ]; ISO 7619
Tensile Strength	44.1 MPa	6400 psi	50 mm/min; ISO 527-1,-2
Elongation at Break	100 %	100 %	50 mm/min; ISO 527
Flexural Strength	75.0 MPa	10900 psi	5 mm/min; ISO 178
Flexural Modulus	1.81 GPa	263 ksi	5 mm/min; ISO 178
Izod Impact, Notched	>= NB	>= NB	5 mm/min; ISO 178
Izod Impact, Notched (ISO)	55.0 kJ/m <sup>2</sup>	26.2 ft-lb/in <sup>2</sup>	ISO 180-1A
Charpy Impact Unnotched	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ISO 179-1eU
Charpy Impact, Notched	1.50 J/cm <sup>2</sup> @Temperature -30.0 °C	7.14 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	ISO 179-1A
	6.00 J/cm <sup>2</sup> @Temperature 23.0 °C	28.6 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179-1A

Thermal Properties	Metric	English	Comments
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Melting Point Thermal Properties	220 Â°C Metric	428 Â°F English	10Â°C/min: ISO 11357-1,-3 Comments
Deflection Temperature at 1.8 MPa (264 psi)	61.0 Â°C	142 Â°F	ISO 75-1,-2
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Processing Properties	Metric	English	Comments
Melt Temperature	245 - 260 Â°C	473 - 500 Â°F	ISO 294
Mold Temperature	80.0 - 120 Â°C	176 - 248 Â°F	ISO 294
Drying Temperature	80.0 Â°C	176 Â°F	
Dry Time	2.00 - 6.00 hour	2.00 - 6.00 hour	

## Contact Songhan Plastic Technology Co.,Ltd.

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