



Phone: (810) 326-1451 Fax: (586) 408-6363
 www.dynamicpolymer.com

Technical Data Sheet

DYN-N6613G BK

Nylon Type 66, 13% Glass Fiber Reinforced

Typical Compound Properties	Value / Measure		Test Methods
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Physical Properties	English Units	Metric Units	
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Density	1.21 g/cm ³	1.21 g/cm ³	ASTM D-792
Ash Content	13 %	%	ASTM D-5630

Mechanical Properties			
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Izod Impact - Notched	1 ft-lb/in	53 J/m	ASTM D-256
Tensile Strength @ Yield	12,500 psi	86 MPa	ASTM D-638
Tensile Elongation @ Break	11 %	11 %	ASTM D-638
Flexural Modulus	550,000 psi	3,795 MPa	ASTM D-790

Thermal Properties			
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DTUL @ 264 psi (1820 kPa)	468 Deg. F	244 Deg. C	ASTM D-648
Melt Point	491 Deg. F	255 Deg. C	

All tests are performed on dry as molded ASTM test bars.

General Product Type Information

DYN-N6613G, is also available with internal and external lubricants, UV stabilized and other modifications. Manufactured with recycled content. Further information and details are available upon request.

Processing Information

Temperatures		F	C
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Barrel	Rear	540 - 580	284 - 307
	Center	530 - 570	279 - 301
	Front	520 - 570	279 - 301
	Nozzle	510 - 560	268 - 296
	Mold	150 - 250	66 - 122

Drying	
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Type	Dehumidifier
Temperature	175°F
Time	2 - 4 hours
Max. % Moisture	0.2

The property values listed above have been obtained using laboratory controlled test methods. They are offered without guarantee since conditions under which the product is used are beyond our control. Therefore, Dynamic Polymer Solutions disclaims any liability for loss or damage incurred in connection with the use of this product. Optimum processing conditions will depend on such factors as machine size, screw design, part dimension, mold design, runner and gate design, and material residence time. These recommendations are intended only as a guide to achieve stable processing and good part quality.