



Phone: (517) 295-4196 Fax: (517) 295-4918

Technical Data Sheet

LCA® N6-50GF-900 Black

Nylon 6, 50% Glass Fiber, Heat Stabilized, Lubricated

Typical Compound Properties	Value / Measure	Test Methods
Physical Properties		
	English Units	
Density	1.46 g/cm ³	ASTM D-792
Ash Content	50 %	ASTM D-5630
Mechanical Properties		
Izod Impact	4 ft-lb/in	ASTM D-256
Tensile Strength	28,000 psi	ASTM D-638
Flexural Modulus	2,000,000 psi	ASTM D-790
Thermal Properties		
Melt Point	220 °C	ASTM D-789-92e1
All tests are performed on dry as molded ASTM (ISO) test bars.		
General Product Type Information		

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, Uniplas, Inc. disclaims any liability for loss or damage incurred in connection with the use of this product.

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Typical Processing Conditions		
Process Variable	Description	Values
Temperatures		F C
Barrel	Rear	460 - 540
	Center	480 - 560
	Front	480 - 560
	Nozzle	470 - 550
	Mold	175 - 205
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Drying		
Type		Dehumidifier
Temperature		175°F
Time		2 - 4 hours
Max. % Moisture		0.2

Special Requirements

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.

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