



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

## Technical Data Sheet

### LCA® N6-50GFHSL Black

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

#### Typical Compound Properties

Physical Properties	Value / Measure	Test Methods
Density	1.64 g/cm <sup>3</sup>	ASTM D-792
Ash Content	50 %	ASTM D-5630
Mechanical Properties		
Izod Impact	3.00 ft-lb/in	ASTM D-256
Tensile Strength	28,500 psi	ASTM D-638
Flexural Modulus	2,100,000 psi	ASTM D-790
Thermal Properties		
Melt Point	220 °C	ASTM D-3418

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

Temperatures	Zone	F
Barrel	Rear	460 - 550
	Center	480 - 570
	Front	480 - 570
	Nozzle	470 - 560
	Mold	170 - 210

#### 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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