



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

## Technical Data Sheet

### LCA® N66-43GFHSL Black

#### Nylon 66, 43% Glass Fiber, Heat Stabilized, Lubricated

Typical Compound Properties	Value / Measure	Test Methods
<b>Physical Properties</b>		
	English Units	
Density	1.5 g/cm <sup>3</sup>	ASTM D-792
Ash Content	43 %	ASTM D-5630
<b>Mechanical Properties</b>		
Izod Impact	2.00 ft-lb/in	ASTM D-256
Tensile Strength	27,500 psi	ASTM D-638
Flexural Modulus	1,700,000 psi	ASTM D-790
<b>Thermal Properties</b>		
Melt Point	260 °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
<b>Temperatures</b>		<b>F</b> <b>C</b>
Barrel	Rear	540 - 580
	Center	530 - 570
	Front	520 - 570
	Nozzle	510 - 560
	Mold	150 - 250
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<b>Drying</b>		
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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