



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

## Technical Data Sheet

### LCA® N6-55GFHSL Black

#### Nylon 6, 55% Glass Fiber, Heat Stabilized, Lubricated

Typical Compound Properties	Value / Measure	Test Methods
<b>Physical Properties</b>		
	English Units	
Density	1.62 g/cm <sup>3</sup>	ASTM D-792
Ash Content	55 %	ASTM D-5630
<b>Mechanical Properties</b>		
Izod Impact	2.8 ft-lb/in	ASTM D-256
Tensile Strength	30,000 psi	ASTM D-638
Flexural Strength	51,000 psi	ASTM D-790
Flexural Modulus	2,200,000 psi	ASTM D-790
<b>Thermal Properties</b>		
HDT @264 psi	415 °F	ASTM D-648

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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### LCA® N6-55GF-900 Black

#### Nylon 6, 55% Glass Fiber, Heat Stabilized, Lubricated

Typical Processing Conditions		
Process Variable	Description	Values
<b>Temperatures</b>		
		°F
Barrel	Rear	500 - 550
	Center	520 - 570
	Front	535 - 580
	Nozzle	535 - 580
	Mold	150 - 255
<b>Drying</b>		
Type		Dehumidifier
Temperature		175°F
Time		2 - 4 hours
Max. % Moisture		0.2
<b>Special Requirements</b>		

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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