



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

## Technical Data Sheet

### LCA® N66-40GMHSL1 Black

**Nylon 66, 40% Glass Fiber/Mineral Reinforced, Heat Stabilized, Lubricated**

Typical Compound Properties	Value / Measure	Test Methods
<b>Physical Properties</b>		
	English Units	
Density	1.45 g/cm <sup>3</sup>	ASTM D-792
Ash Content	40 %	ASTM D-5630
<b>Mechanical Properties</b>		
Izod Impact	0.90 ft-lb/in	ASTM D-256
Tensile Strength	18,000 psi	ASTM D-638
Flexural Modulus	955,000 psi	ASTM D-790
<b>Thermal Properties</b>		
HDT 264 psi	446 °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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Process Variable	Typical Processing Conditions			
	Description	Values		
Temperatures		<b>F</b>	<b>C</b>	
	Barrel	Rear	540 - 580	282 - 304
		Center	530 - 570	276 - 298
		Front	520 - 570	271 - 298
		Nozzle	510 - 560	266 - 293
	Mold	150 - 250	66 - 121	

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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