



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

Technical Data Sheet

LCA® N6-60GFHSL Black

Nylon 6, 60% Glass Fiber, Heat Stabilized, Lubricated

Typical Compound Properties

Physical Properties	Value / Measure	Test Methods
Density	1.7 g/cm ³	ASTM D-792
Ash Content	60 %	ASTM D-5630

Mechanical Properties

Izod Impact	2.9 ft-lb/in	ASTM D-256
Tensile Strength	31,000 psi	ASTM D-638
Flexural Strength	48,000 psi	ASTM D-790
Flexural Modulus	2,300,000 psi	ASTM D-790

Thermal Properties

HDT @264 psi	405 °F	ASTM D-648
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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
Barrel	Rear	500 - 550
	Center	520 - 560
	Front	535 - 560
	Nozzle	535 - 560
	Mold	150 - 255

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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