



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

Technical Data Sheet

LCA® N66-13GFHSL1 Black

Nylon 66 13% Glass Fiber, Heat Stabilized, Lubricated

Typical Compound Properties	Value / Measure	Test Methods
Physical Properties		
	English Units	
Density	1.23 g/cm ³	ASTM D-792
Ash Content	13 %	ASTM D-5630
Mechanical Properties		
Tensile Strength	17,000 psi	ASTM D-638
Izod Impact	1.00 ft-lb/in	ASTM D-256
Flexural Modulus	700,000 psi	ASTM D-790
Thermal Properties		
HDT 264 psi	244 °C	ASTM D648
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

Temperatures

Injection Pressure	10,000 - 18,100 psi
Mold Temperature	176 - 248 F
Melt Temperature	518 - 572 F

Drying

Type: Desiccant Dryer Recomme
Temperature 170 F
Time: 4 hours
Max. % Moisture: 0.20

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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