



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

Technical Data Sheet

LCA® N66-33GFHSL1 Natural

Nylon 66, 33% Glass Fiber, Heat Stabilized, Lubricated

Typical Compound Properties

Physical Properties	Value / Unit	Test Methods
Density	1.4 g/cm ³	ASTM D-792
Ash Content	33 %	ASTM D-5630

Mechanical Properties

Izod Impact	2.20 ft-lb/in	ASTM D-256
Tensile Strength	26,000 psi	ASTM D-638
Flexural Strength	40,000 psi	ASTM D-790
Flexural Modulus	1,450,000 psi	ASTM D-790

Thermal Properties

Heat Deflection (264 psi)	250 °C	ASTM D-648
Melt Point	257 °C	ASTM D-3814

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 - 530
	Center	530 - 560
	Front	520 - 570
	Nozzle	530 - 565
	Mold	150 - 250

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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