



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

Technical Data Sheet

LCA® N6-40GFL1 Natural

Nylon 6 40% Glass Fiber Reinforced, Lubricated

Typical Compound Properties	Value / Measure	Test Methods
Physical Properties		
	English Units	
Density	1.45 g/cm ³	ASTM D-792
Ash Content	33 %	ASTM D-5630
Mechanical Properties		
Izod Impact	2.70 ft-lb/in	ASTM D-256
Tensile Strength	28,600 psi	ASTM D-638
Flexural Modulus	1,563,000 psi	ASTM D-790
Thermal Properties		
Melt Point	221 °C	ASTM D-3418

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	C
Barrel	Rear	480 - 540	
	Center	480 - 560	
	Front	480 - 560	
	Nozzle	470 - 550	
	Mold	175 - 205	
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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