



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

Technical Data Sheet

LCA® N6-15GFHSL1 Natural

Nylon 6, 15% Glass Fiber, Heat Stabilized, Lubricated

Typical Compound Properties

Physical Properties	Value / Unit	Test Methods
Density	1.23 g/cm ³	ASTM D-792
Ash Content	15 %	ASTM D-5630
Mechanical Properties		
Izod Impact	1.2 ft-lb/in	ASTM D-256
Tensile Strength	17,000 psi	ASTM D-638
Flexural Modulus	750,000 psi	ASTM D-790
Flexural Strength	27,000 psi	ASTM D-790
Thermal Properties		
Melt Point (DSC)	218 °C	ASTM D-3418
Heat Deflection 246 psi	206 °C	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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Typical Processing Conditions		
Process Variable	Description	Values
Temperatures		F
Barrel	Rear	460 - 490
	Center	490 - 510
	Front	480 - 560
	Nozzle	490 - 520
	Mold	135-150
Drying		
Type		Dehumidifier
Temperature		175°F
Time		2 - 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.