



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

Technical Data Sheet
LCA® N66-ZF5004 Natural
Nylon 66 Unfilled, Medium Impact

Typical Compound Properties	Value / Measure		Test Methods
Physical Properties	English Units	Metric Units	
Density	1.1 g/cm ³	1.1 g/cm ³	ASTM D-792
Mechanical Properties			
Izod Impact - Notched	3 ft-lb/in	160 J/m	ASTM D-256
Tensile Strength @ Yield	8,000 psi	55 MPa	ASTM D-638
Tensile Elongation @ Break	25 %	25 %	ASTM D-638
Flexural Modulus	245,000 psi	1,690 MPa	ASTM D-790
Thermal Properties			
DTUL @ 66 psi (455 kPa)	349 Deg. F	187 Deg. C	ASTM D-648
@ 264 psi (1820 kPa)	149 Deg. F	65 Deg. C	ASTM D-648
Melt Point	491 Deg. F	255 Deg. C	

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	500 - 560
	Center	510 - 560
	Front	510 - 560
	Nozzle	500 - 550
	Mold	100 - 200
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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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