



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

Technical Data Sheet

LCA® N66-ZF50HSL Natural

Unfilled Nylon 66 Heat Stabilized, Lubricated

Typical Compound Properties

Physical Properties	English Units	Test Methods
Density	1.13 g/cm ³	ASTM D-792
Mechanical Properties		
Izod Impact - Notched	0.9 ft-lb/in	ASTM D-256
Tensile Strength @ Yield	11,000 psi	ASTM D-638
Flexural Modulus	340,000 psi	ASTM D-790
Thermal Properties		
Melt Point	251 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	260 - 293
		Center	510 - 570	265 - 298
		Front	510 - 570	265 - 298
		Nozzle	500 - 550	260 - 287
	Mold	100 - 200	37 - 94	
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Drying				
Type	Dehumidifier			
Temperature	170°F			
Time	2 - 4 hours			
Max. % Moisture	0.2			
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Special Requirements				
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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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