



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

Technical Data Sheet

LCA® N66-38GMHSLW Black

Nylon 66, 38% Glass Fiber/Mineral Reinforced, Heat Stabilized, Lubricated

Typical Compound Properties	Value / Measure	Test Methods
Physical Properties		
	English Units	
Density	1.40 g/cm ³	ASTM D-792
Ash Content	38 %	ASTM D-5630
Mechanical Properties		
Izod Impact	0.50 ft-lb/in	ASTM D-256
Tensile Strength	12,000 psi	ASTM D-638
Flexural Modulus	665,000 psi	ASTM D-790
Thermal Properties		
HDT 264 psi	446 °F	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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Process Variable	Typical Processing Conditions		Values	
	Description			
Temperatures		F	C	
	Barrel	Rear	540 - 580	282 - 304
		Center	530 - 570	276 - 298
		Front	520 - 570	271 - 298
		Nozzle	510 - 560	266 - 293
Mold		150 - 250	66 - 121	

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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