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## Technical Data Sheet

### LCA® N6-15GFHSL

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

Typical Compound Properties	Value / Measure		Test Methods
<b>Physical Properties</b>			
	English Units (ISO)	Metric Units	
Density	1.24 g/cm <sup>3</sup>	1.24 g/cm <sup>3</sup>	ASTM D-792
Ash Content	15 %	%	ASTM D-5630
Linear Mold Shrinkage	in/in	mm/mm	ASTM D-955
<b>Mechanical Properties</b>			
Izod Impact - Notched (Minimum)	1 ft-lb/in (kJ/m <sup>2</sup> )	53 J/m	ASTM D-256
Tensile Strength @ Yield	psi	0 MPa	ASTM D-638
Tensile Strength @ Break (Minimum)	15,000 psi	103 MPa	ASTM D-638
Tensile Elongation @ Yield	%	%	ASTM D-638
Tensile Elongation @ Break	15 %	%	ASTM D-638
Flexural Strength @ Yield	psi (Mpa)	0 MPa	ASTM D-790
Flexural Stress @ Break	psi (Mpa)	0 MPa	ASTM D-790
Flexural Stress @ 5% Strain	psi (Mpa)	0 MPa	ASTM D-790
Flexural Modulus (Minimum)	720,000 psi (Mpa)	4,968 MPa	ASTM D-790
<b>Thermal Properties</b>			
DTUL @ 66 psi (455 kPa)	Deg. F	Deg. C	ASTM D-648
@ 264 psi (1820 kPa)	Deg. F	Deg. C	ASTM D-648
Vicat Softening Temperature	Deg. F	Deg. C	ASTM D-1525
Melt Point	Deg. F	215 Deg. C	ASTM D-789-92e1

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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