



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

## Technical Data Sheet

### LCA® N66-38GMHSL Black

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

| Typical Compound Properties  | Value / Measure        | Test Methods |
|------------------------------|------------------------|--------------|
| <b>Physical Properties</b>   |                        |              |
|                              | English Units          |              |
| Density                      | 1.40 g/cm <sup>3</sup> | ASTM D-792   |
| Ash Content                  | 38 %                   | ASTM D-5630  |
| <b>Mechanical Properties</b> |                        |              |
| Izod Impact                  | 0.70 ft-lb/in          | ASTM D-256   |
| Tensile Strength             | 15,800 psi             | ASTM D-638   |
| Flexural Modulus             | 810,000 psi            | ASTM D-790   |
| <b>Thermal Properties</b>    |                        |              |
| 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.

**Uniplas, Inc. 1145 Sutton St. Howell, MI 48843**



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

## Technical Data Sheet

### LCA® N66-38GMHSL Black

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

| Typical Processing Conditions |             |              |           |
|-------------------------------|-------------|--------------|-----------|
| Process Variable              | Description | Values       |           |
| <b>Temperatures</b>           |             | <b>F</b>     | <b>C</b>  |
| 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  |
| <b>Drying</b>                 |             |              |           |
| 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.

Uniplas, Inc. 1145 Sutton St. Howell, MI 48843