

## Grade: PA66-0015G Blk

Molding Grade PA 66 w/ 15% glass reinforcement

### Typical Material Properties

| Physical                             | Nominal Values | ASTM Test |
|--------------------------------------|----------------|-----------|
| Specific Gravity                     | 1.23           | D792      |
| <b>Mechanical</b>                    |                |           |
| Tensile Strength @ Yield             | 15,800 psi     | D638      |
| Flexural Modulus                     | 1,050,000 psi  | D790      |
| Flexural Strength @ Yield            | 31,000 psi     | D790      |
| Elongation @ Break                   | 2.8 %          |           |
| <b>Impact</b>                        |                |           |
| Izod Impact (73 °F, 0.125 in)        | 10.0 ft-lb/in  | D256      |
| <b>Thermal</b>                       |                |           |
| DTUL @ 264 psi-unannealed (0.125 in) | 464 °F         | D648      |
| Melting Temperature                  | 500 °F         | D3418     |
|                                      |                |           |
|                                      |                |           |
|                                      |                |           |
|                                      |                |           |
|                                      |                |           |

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### Recommended Processing Guidelines

|                               | Nominal Values       |
|-------------------------------|----------------------|
| Drying Time and Temperature   | 2-6 hrs at 176-212°F |
| Suggested Max Moisture        | <0.20%               |
| Rear Temperature              | 482 – 536 °F         |
| Middle Temperature            | 527 – 554 °F         |
| Front Temperature             | 527 – 554 °F         |
| Nozzle Temperature            | 527 – 563 °F         |
| Processing (Melt) Temperature | 500 – 580 °F         |
| Mold Temperature              | 150 – 220 °F         |
|                               |                      |

The conditions listed above are only guidelines. You may want to adjust conditions to meet your requirements.