



## GRADE: RE-NY66-0135G BLACK

Molding Grade PA 66 heat stabilized w/ 35% hydrolytically stabilized glass reinforcement & 25% Pre-consumer Validated Recycled Content Materials

### Typical Material Properties

| Physical                       | Nominal Values | ASTM Test |
|--------------------------------|----------------|-----------|
| Specific Gravity               | 1.40           | D792      |
| <b>Mechanical</b>              |                |           |
| Tensile Strength               | 24,500 psi     | D638      |
| Flexural Modulus               | 1,700,000 psi  | D790      |
| Flexural Strength @ Yield      | 34,500 psi     | D790      |
| Elongation @ Break             | 2.3 %          | D638      |
| <b>Impact</b>                  |                |           |
| Izod Impact (73 °F, 0.125)     | 12.5 ft-lb/in  | D256      |
| <b>Thermal</b>                 |                |           |
| Melting Temperature            | 500 °F         | D3418     |
| Heat Deflection Temp @ 264 psi | 480 °F         | D638      |
|                                |                |           |
|                                |                |           |

### Recommended Processing Guidelines

|                               | Nominal Values       |
|-------------------------------|----------------------|
| Drying Time and Temperature   | 2-6 hrs at 176-185°F |
| Suggested Max Moisture        | <0.20%               |
| Rear Temperature              | 428 – 464 °F         |
| Middle Temperature            | 464 – 491 °F         |
| Front Temperature             | 464 – 500 °F         |
| Nozzle Temperature            | 464 – 491 °F         |
| Processing (Melt) Temperature | 440 – 530 °F         |
| Mold Temperature              | 150 – 250 °F         |
|                               |                      |
|                               |                      |