

## GRADE: RE-NY6-0215G BLACK

Molding Grade PA 6 w/ 15% glass reinforcement & 50% Pre-consumer Validated Recycled Content Materials

### Typical Material Properties

| Physical                       | Nominal Values | ASTM Test |
|--------------------------------|----------------|-----------|
| Specific Gravity               | 1.23           | D792      |
| <b>Mechanical</b>              |                |           |
| Tensile Strength               | 13,500 psi     | D638      |
| Flexural Modulus               | 720,000 psi    | D790      |
| Flexural Strength @ Yield      | 18,000 psi     | D790      |
| Elongation @ Break             | 2.5 %          | D638      |
| <b>Impact</b>                  |                |           |
| Izod Impact (73 °F, 0.125)     | 9.0 ft-lb/in   | D256      |
| <b>Thermal</b>                 |                |           |
| Melting Temperature            | 424 °F         | D3418     |
| Heat Deflection Temp @ 264 psi | 400 °F         | D638      |
|                                |                |           |
|                                |                |           |

The information provided above is based upon typical values and are intended only as guide. Star Plastics, LLC assumes no obligation or liability for any advice furnished or for any results obtained with respect to this information. *No guarantees or warranties are expressed or implied.*

\*reNova® is a registered trademark of Star Plastics, LLC its subsidiaries or affiliates.

### 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         |
|                               |                      |
|                               |                      |

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