**Grade: re-NY66-0215G BKS**

Molding Grade PA 66 w/ 15% glass reinforcement & 50% PCR

**Typical Material Properties**

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

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**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.