

Grade: PA6-0030G Nat

Molding Grade PA 6 w/ 30% glass reinforcement

Typical Material Properties

| Physical | Nominal Values | ASTM Test |
|--------------------------------------|----------------|-----------|
| Specific Gravity | 1.20 | D792 |
| Mechanical | | |
| Tensile Strength @ Yield | 23,000 psi | D638 |
| Flexural Modulus | 1,250,000 psi | D790 |
| Flexural Strength @ Yield | 26,000 psi | D790 |
| Elongation @ Break | 3.0 % | |
| Impact | | |
| Izod Impact (73 °F, 0.125 in) | 20.0 ft-lb/in | D256 |
| Thermal | | |
| DTUL @ 264 psi-unannealed (0.125 in) | 405 °F | D648 |
| Melting Temperature | | |
| | | |
| | | |
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The information provided above is based upon typical values and are intended only as guides. Star Plastics, Inc. 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 – 220 °F |
| | |

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