



GRADE: RE-NY6-0150G BLACK

Molding Grade PA 6 w/ 50% glass reinforcement & 25% Pre-consumer Validated Recycled Content Materials

Typical Material Properties

| Physical | Nominal Values | ASTM Test |
|------------------------------------|----------------|-----------|
| Specific Gravity | 1.47 | D792 |
| Mechanical | | |
| Tensile Strength | 25,000 psi | D638 |
| Flexural Modulus | 2,000,000 psi | D790 |
| Flexural Strength @ Yield | 30,000 psi | D790 |
| Elongation @ Break | 2.5 % | D638 |
| Impact | | |
| Notched Izod Impact (73 °F, 0.125) | 2.5 ft-lb/in | D256 |
| Thermal | | |
| Melting Temperature | 424 °F | D3418 |
| Heat Deflection Temp @ 264 psi | 412 °F | D638 |
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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 |
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