# ColorFast® NY2GF330

PA66-GX33 Americhem Engineered Compounds

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|---|---|---|---|
| **ASTM Data** | | | |
| Mold Shrinkage, MD | **0.00175** | mm/mm | ASTM D 955 |

| Mechanical properties | Value | Unit | Test Standard |
|---|---|---|---|
| **ASTM Data** | | | |
| Tensile Strength at Yield | **172** | MPa | ASTM D 638 |
| Elongation at Yield | **2** | % | ASTM D 638 |
| Elongation at Break | **3** | % | ASTM D 638 |
| Flexural Modulus | **8274** | MPa | ASTM D 790 |
| Flexural Strength | **248** | MPa | ASTM D 790 |
| Rockwell Hardness | **R120** | - | ASTM D 785 |
| Izod Impact notched, 1/8 in | **53.4** | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|---|---|---|---|
| **ASTM Data** | | | |
| DTUL @ 264 psi | **249** | °C | ASTM D 648 |

| Other properties | Value | Unit | Test Standard |
|---|---|---|---|
| Water Absorption, 24hr | **1.5** | % | ASTM D 570 |
| Density | **1370** | kg/m³ | ASTM D 792 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|---|---|---|
| Pre-drying - Temperature | **82.2** | °C | - |
| Pre-drying - Time | **2 - 4** | h | - |
| Melt temperature | **279 - 304** | °C | - |
| Mold temperature | **37.8 - 93.3** | °C | - |
| Zone 1 | **260 - 293** | °C | - |
| Zone 2 | **266 - 293** | °C | - |
| Zone 3 | **266 - 293** | °C | - |
| Nozzle temperature | **260 - 288** | °C | - |
| Screw speed | **60 - 120** | rpm | - |
| Back pressure | **0.345 - 0.689** | MPa | - |

## Characteristics

**Processing**
Injection Molding

**Regional Availability**
North America

**Delivery form**
Pellets


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