# Nymax™ NM 6600-44GF0001 White

Polyamide 66

PolyOne Corporation

## Message:

Nymax®GMF 1200 series compound materials are composed of nylon 6/6 resin and glass fiber or mineral reinforced materials, which have ideal physical properties and component properties. These materials are easy to process in standard thermoplastic processing equipment. These materials are dedicated to processing in standard thermoplastic processing equipment.

| General Information | | | |
|---|---|---|---|
| Filler / Reinforcement | Glass fiber reinforced material, 44% filler by weight | | |
| Uses | Industrial application<br>Architectural application field<br>Consumer goods application field | | |
| Appearance | White | | |
| Forms | Particle | | |
| Processing Method | Injection molding | | |
| **Physical** | **Nominal Value** | **Unit** | **Test Method** |
| Specific Gravity | 1.58 | g/cm³ | ASTM D792 |
| Molding Shrinkage - Flow | 0.30 | % | ASTM D955 |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Strength [1] | | | ASTM D638 |
| Yield | 164 | MPa | ASTM D638 |
| Fracture | 164 | MPa | ASTM D638 |
| Tensile Elongation [2] (Break) | 2.4 | % | ASTM D638 |
| Flexural Modulus [3] | 11900 | MPa | ASTM D790 |
| Flexural Strength [4] (Yield) | 286 | MPa | ASTM D790 |
| **Impact** | **Nominal Value** | **Unit** | **Test Method** |
| Notched Izod Impact [5] (3.18 mm, Injection Molded) | 130 | J/m | ASTM D256A |
| **Additional Information** | | | |
| Molded Test Bars: Dry as Molded | | | |
| **Injection** | **Nominal Value** | **Unit** | |
| Drying Temperature | 82.2 | °C | |
| Drying Time | 4.0 | hr | |
| Mold Temperature | 48.9 - 93.3 | °C | |
| **NOTE** | | | |
| 1. | Type 1, 5.1 mm/min | | |
| 2. | Type 1, 5.1 mm/min | | |
| 3. | 13 mm/min | | |
| 4. | 13 mm/min | | |

| | |
|---|---|
| 5. | 3.6mm notch depth |



## Recommended distributors for this material

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