# MAZMID B 150 FV 07

Polyamide 6

Mazzaferro Indústria e Comércio de Polímeros e Fibras Ltda.

## Message:

MAZMID B 150 FV 07 is a Polyamide 6 (Nylon 6) product filled with 7.0% glass fiber. It can be processed by injection molding and is available in Latin America. Applications of MAZMID B 150 FV 07 include electrical/electronic applications, engineering/industrial parts, automotive and housings.
Characteristics include:
Flame Rated
Good Aesthetics
Good Dimensional Stability
Heat Resistant
High Stiffness

| General Information | |
|---|---|
| Filler / Reinforcement | Glass Fiber,7.0% Filler by Weight |
| Features | Good Dimensional Stability<br>Good Surface Finish<br>Good Thermal Stability<br>High Stiffness<br>Low Viscosity |
| Uses | Automotive Applications<br>Electrical Parts<br>Electrical/Electronic Applications<br>Gears<br>Housings<br>Knobs |
| Processing Method | Injection Molding |

| Physical | Dry | Conditioned | Unit | Test Method |
|---|---|---|---|---|
| Specific Gravity | 1.17 | -- | g/cm³ | ASTM D792 |
| Molding Shrinkage - Flow | 1.1 to 1.2 | -- | % | ASTM D955 |
| Water Absorption (23°C, 24 hr) | 1.3 | -- | % | ASTM D570 |
| **Hardness** | **Dry** | **Conditioned** | **Unit** | **Test Method** |
| Rockwell Hardness (R-Scale) | 120 | 100 | | ASTM D785 |
| **Mechanical** | **Dry** | **Conditioned** | **Unit** | **Test Method** |
| Tensile Modulus | 4200 | 3000 | MPa | ASTM D638 |
| Tensile Strength | 85.0 | 55.0 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 6.5 | 8.5 | % | ASTM D638 |
| Flexural Modulus | 3500 | 2300 | MPa | ASTM D790 |
| Flexural Strength | 150 | 75.0 | MPa | ASTM D790 |

| Impact | Dry | Conditioned | Unit | Test Method |
|---|---|---|---|---|
| Notched Izod Impact | 60 | 130 | J/m | ASTM D256 |
| **Thermal** | **Dry** | **Conditioned** | **Unit** | **Test Method** |
| Deflection Temperature Under Load | | | | ASTM D648 |
| 0.45 MPa, Unannealed | 180 | -- | °C | |
| 1.8 MPa, Unannealed | 140 | -- | °C | |
| Continuous Use Temperature | 80.0 to 85.0 | -- | °C | |
| Melting Temperature | 214 to 220 | -- | °C | |
| CLTE - Flow | 3.5E-5 | -- | cm/cm/°C | ASTM D696 |
| **Electrical** | **Dry** | **Conditioned** | **Unit** | **Test Method** |
| Volume Resistivity | 1.0E+15 | -- | ohms·cm | ASTM D257 |
| Dielectric Strength | 21 | -- | kV/mm | ASTM D149 |
| **Flammability** | **Dry** | **Conditioned** | **Unit** | **Test Method** |
| Flame Rating (1.60 mm) | HB | -- | | UL 94 |



## Recommended distributors for this material

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