

# Wellamid® MRGF30/10 42H-GY2

Polyamide 6

Wellman Engineering Resins

## Message:

Wellamid® MRGF30/10 42H-GY2 is a Polyamide 6 (Nylon 6) material filled with 40% glass\mineral. It is available in Asia Pacific, Europe, Latin America, or North America.

| General Information                               |                                    |                   |             |
|---------------------------------------------------|------------------------------------|-------------------|-------------|
| Filler / Reinforcement                            | Glass\Mineral,40% Filler by Weight |                   |             |
| Appearance                                        | Grey                               |                   |             |
| Physical                                          | Nominal Value                      | Unit              | Test Method |
| Density                                           | 1.50                               | g/cm <sup>3</sup> | ISO 1183    |
| Molding Shrinkage                                 |                                    |                   | ISO 294-4   |
| Across Flow : 23°C                                | 0.80 to 1.2                        | %                 |             |
| Flow : 23°C                                       | 0.30 to 0.70                       | %                 |             |
| Mechanical                                        | Nominal Value                      | Unit              | Test Method |
| Tensile Stress (Yield, 23°C)                      | 100                                | MPa               | ISO 527-2   |
| Tensile Strain (Yield, 23°C)                      | 2.0                                | %                 | ISO 527-2   |
| Flexural Modulus (23°C)                           | 9100                               | MPa               | ISO 178     |
| Flexural Stress (23°C)                            | 155                                | MPa               | ISO 178     |
| Impact                                            | Nominal Value                      | Unit              | Test Method |
| Notched Izod Impact Strength (23°C)               | 4.0                                | kJ/m <sup>2</sup> | ISO 180     |
| Thermal                                           | Nominal Value                      | Unit              | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 190                                | °C                | ISO 75-2/A  |
| Melting Temperature (DSC)                         | 220                                | °C                | ISO 3146    |

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## Recommended distributors for this material

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