# ALTECH® PA6 A 4020/100 MR20

Polyamide 6

ALBIS PLASTIC GmbH

## Message:

ALTECH® PA6 A 4020/100 MR20 is a Polyamide 6 (Nylon 6) product filled with 20% mineral. It is available in Asia Pacific, Europe, or North America.
Typical application: Housings.
Characteristics include:
REACH Compliant
RoHS Compliant
Good Toughness
Heat Stabilizer
High Flow

| General Information | |
|---|---|
| Filler / Reinforcement | Mineral,20% Filler by Weight |
| Additive | Heat Stabilizer |
| Features | Heat Stabilized |
| | High Flow |
| | Low Viscosity |
| | Low Warpage |
| | Ultra High Toughness |
| Uses | Housings |
| Agency Ratings | EC 1907/2006 (REACH) |
| RoHS Compliance | RoHS Compliant |

| Physical | Dry | Conditioned | Unit | Test Method |
|---|---|---|---|---|
| Density | 1.30 | -- | g/cm³ | ISO 1183 |

| Mechanical | Dry | Conditioned | Unit | Test Method |
|---|---|---|---|---|
| Tensile Modulus | 3700 | 3400 | MPa | ISO 527-2 |
| Tensile Stress (Break) | 70.0 | 52.0 | MPa | ISO 527-2 |
| Tensile Strain (Break) | 12 | 18 | % | ISO 527-2 |
| Flexural Modulus | 3400 | -- | MPa | ISO 178 |
| Flexural Stress | 110 | -- | MPa | ISO 178 |

| Impact | Dry | Conditioned | Unit | Test Method |
|---|---|---|---|---|
| Charpy Notched Impact Strength | 5.0 | -- | kJ/m² | ISO 179/1eA |
| Charpy Unnotched Impact Strength | No Break | -- | | ISO 179/1eU |

| Thermal | Dry | Conditioned | Unit | Test Method |
|---|---|---|---|---|
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 70.0 | -- | °C | ISO 75-2/A |
| Vicat Softening Temperature | 200 | -- | °C | ISO 306/B50 |

| Injection | Dry | Unit |
|---|---|---|
| Drying Temperature | 80.0 | °C |
| Drying Time | 2.0 to 12 | hr |
| Suggested Max Moisture | 0.15 | % |
| Processing (Melt) Temp | 270 to 290 | °C |
| Mold Temperature | 80.0 to 100 | °C |

## Recommended distributors for this material

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