

Product Description

50% Glass Fiber, Polyamide 66

General Considerations

| | |
|------------------------|-------------------------------------|
| Resin ID (ISO 1043) | · PA66-GF50 |
| Filler / Reinforcement | · Glass Fiber, 50% Filler by Weight |
| Additive | · Heat Stabilized |
| Processing | · Injection Molding |
| Color | · Natural |

- The information below is for informational purposes only and should not be adopted as specification limits.

| Physical | Dry | Cond. | Unit | Method |
|----------------------------|------|-------|-------------------|-----------|
| Density / Specific Gravity | 1,57 | | g/cm ³ | ISO 1183 |
| Mold Shrinkage | | | % | ISO 294-4 |
| Flow (3,18 mm) | 0,8 | - | | |
| Parallel (3,18 mm) | 0,3 | - | | |
| Humidity absorption | 1,2 | | % | ISO 62 |
| Water absorption | 4,2 | | % | ISO 62 |

| Mechanical | Dry | Cond. | Unit | Method |
|--------------------------------------|-------|-------|-------------------|-----------|
| Stress at break | 245 | 180 | MPa | ISO 527 |
| Strain at break | 2,3 | 3,2 | % | ISO 527 |
| Flexural Strength | 345 | 250 | MPa | ISO 178 |
| Tensile Modulus | 17000 | 13000 | MPa | ISO 527 |
| Izod Notched Impact Strength 23°C | 14 | 18 | kJ/m ² | ISO 180/A |

| Thermal | Value | Unit | Method |
|---|-------|------|------------|
| Melting Point | 263 | °C | -- |
| Heat Deflection Temperature 1,80 MPa | 244 | °C | ISO 75-1-2 |

| Flammability | Value | Unit | Method |
|-----------------------|-------|------|--------|
| Flame Rating (3,2 mm) | HB | -- | UL94 |

| Process | Value | Unit | Method |
|-----------------------------|------------|----------|--------|
| Molding Process Temperature | 270 to 290 | °C | -- |
| Mold Temperature | 60 to 90 | °C | -- |
| Drying | 90/4 | °C/Hours | -- |

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