# MAJORIS FG081 - 8487

Polypropylene

AD majoris

## Message:

FG081 - 8487 is a chemically coupled glass fibre reinforced polypropylene compound intended for injection moulding.
The product is available in natural (FG081), but other colours can be provided on request.
FG081 - 8487 has been developed especially for demanding applications in various engineering sectors.
FG081 - 8487 has high stiffness, high impact strength, good dimensional stability and good resistance also at high temperatures.
APPLICATIONS
Product requiring high service temperature and high mechanical strength, such as:
Electrical appliances
Technical components

| General Information | | | |
|---|---|---|---|
| Filler / Reinforcement | Glass fiber reinforced material | | |
| Additive | heat stabilizer | | |
| Features | Good dimensional stability<br>Rigidity, high<br>Chemical coupling<br>Impact resistance, high<br>Recyclable materials<br>Good strength<br>Thermal Stability | | |
| Uses | Electrical/Electronic Applications<br>Electrical appliances | | |
| Appearance | Available colors<br>Natural color | | |
| Forms | Particle | | |
| Processing Method | Injection molding | | |
| **Physical** | **Nominal Value** | **Unit** | **Test Method** |
| Density | 0.960 | g/cm³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 18 | g/10 min | ISO 1133 |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Modulus | 1880 | MPa | ISO 527-2/1 |
| Tensile Stress (Yield) | 31.0 | MPa | ISO 527-2/50 |
| Tensile Strain (Yield) | 4.0 | % | ISO 527-2/50 |
| **Impact** | **Nominal Value** | **Unit** | **Test Method** |
| Charpy Notched Impact Strength (23°C) | 9.0 | kJ/m² | ISO 179/1eA |
| **Thermal** | **Nominal Value** | **Unit** | **Test Method** |

| | | | |
|---|---|---|---|
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 70.0 | °C | ISO 75-2/A |
| Ball Pressure Test (125°C) | Pass | | NF C 61-303 |
| **Flammability** | **Nominal Value** | **Unit** | **Test Method** |
| Flame Rating | HB | | UL 94 |
| Glow Wire Flammability Index (1.60 mm) | 750 | °C | IEC 60695-2-12 |
| **Injection** | **Nominal Value** | **Unit** | |
| Processing (Melt) Temp | 210 - 260 | °C | |
| Mold Temperature | 30.0 - 60.0 | °C | |
| Injection Rate | Moderate | | |

**Injection instructions**

Holding pressure: 50 to 70% of the injection pressure



## Recommended distributors for this material

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