# MAJORIS ET300

Polypropylene

AD majoris

## Message:

ET300 is a natural 30 % talc-filled polypropylene compound intended for injection moulding.
ET300 has been developed especially for the applications where good balance between stiffness and impact is required. The good flow ability of ET300 makes it very easy to process complicated parts. The product is available in natural, but other colours can be provided on request.
APPLICATIONS
housings for household appliances such as vacuum cleaners
bases and support frames

| General Information | | | |
|---|---|---|---|
| Filler / Reinforcement | Talc filler, 30% filler by weight | | |
| Features | Recyclable materials<br>Workability, good<br>Good liquidity | | |
| Uses | Electrical appliances<br>Shell | | |
| Appearance | Available colors<br>Natural color | | |
| Forms | Particle | | |
| Processing Method | Injection molding | | |
| **Physical** | **Nominal Value** | **Unit** | **Test Method** |
| Density | 1.14 | g/cm³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 14 | g/10 min | ISO 1133 |
| Molding Shrinkage | 0.70 - 1.0 | % | |
| **Hardness** | **Nominal Value** | **Unit** | **Test Method** |
| Ball Indentation Hardness | 61.0 | MPa | ISO 2039-1 |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Modulus | 3100 | MPa | ISO 527-2/1 |
| Tensile Stress (Yield) | 31.0 | MPa | ISO 527-2/50 |
| Flexural Modulus [1] | 2950 | MPa | ISO 178 |
| **Impact** | **Nominal Value** | **Unit** | **Test Method** |
| Charpy Notched Impact Strength (23°C) | 3.0 | kJ/m² | ISO 179/1eA |
| Charpy Unnotched Impact Strength (23°C) | 45 | kJ/m² | ISO 179/1eU |
| **Thermal** | **Nominal Value** | **Unit** | **Test Method** |
| Heat Deflection Temperature | | | |
| 0.45 MPa, not annealed | 132 | °C | ISO 75-2/B |

| | | | |
|---|---|---|---|
| 1.8 MPa, not annealed | 74.0 | °C | ISO 75-2/A |
| Vicat Softening Temperature | 152 | °C | ISO 306 |
| Flammability | Nominal Value | | Test Method |
| Flame Rating | HB | | UL 94 |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 80.0 | °C | |
| Drying Time | 3.0 | hr | |
| Processing (Melt) Temp | 210 - 260 | °C | |
| Mold Temperature | 30.0 - 50.0 | °C | |
| Injection Rate | Moderate | | |
| Injection instructions | | | |
| Holding pressure: 50 to 60% of the injection pressure. | | | |
| NOTE | | | |
| 1. | 2.0 mm/min | | |



## Recommended distributors for this material

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