

MAJORIS HN067

Polypropylene Copolymer

AD majoris

Message:

HN067 is a polypropylene copolymer characterised by high impact strength combined with high stiffness and good flow properties, heat resistance and UV formulated.

The product is available in natural (HN067) and black (HN067-8229) but other colours can be supplied on request.

APPLICATIONS

HN067 is suitable for a wide range of products requiring impact strength, heat resistance and UV stabilized.

| General Information | | | |
|--|-----------------------------|-------------------|--------------|
| Additive | UV stabilizer | | |
| Features | Rigidity, high | | |
| | Copolymer | | |
| | Impact resistance, high | | |
| | Good UV resistance | | |
| | Recyclable materials | | |
| | Good liquidity | | |
| | Heat resistance, high | | |
| | Compliance of Food Exposure | | |
| Appearance | Black | | |
| | Available colors | | |
| | Natural color | | |
| Forms | Particle | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.902 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 32 | g/10 min | ISO 1133 |
| Molding Shrinkage | 1.0 - 2.0 | % | |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 1100 | MPa | ISO 527-2/1 |
| Tensile Stress (Yield) | 24.0 | MPa | ISO 527-2/50 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength | | | ISO 179/1eA |
| -20°C | 4.0 | kJ/m ² | ISO 179/1eA |
| 23°C | 7.0 | kJ/m ² | ISO 179/1eA |
| Thermal | Nominal Value | Unit | Test Method |
| Heat Deflection Temperature (0.45 MPa, Unannealed) | 93.0 | °C | ISO 75-2/B |

| Flammability | Nominal Value | Test Method |
|------------------------|---------------|-------------|
| Flame Rating | HB | UL 94 |
| Injection | Nominal Value | Unit |
| Processing (Melt) Temp | 210 - 250 | °C |
| Mold Temperature | 30.0 - 50.0 | °C |
| Injection Rate | Slow-Moderate | |
| Injection instructions | | |

Holding pressure: 50 to 70% of the injection pressure

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