

ESTASTIR GP 1000

General Purpose Polystyrene

Cossa Polimeri S.r.l.

Message:

ESTASTIR GP 1000 is a General Purpose Polystyrene product. It is available in Europe. Applications of ESTASTIR GP 1000 include packaging and household applications.

Characteristics include:

- Flame Rated
- Clarity
- Crystalline
- Good Stiffness
- High Gloss

| General Information | | | |
|--|--------------------|-------------------|-------------------------|
| Features | Crystalline | | |
| | Good Flow | | |
| | Good Stiffness | | |
| | High Clarity | | |
| | High Gloss | | |
| Uses | Cosmetic Packaging | | |
| | Household Goods | | |
| | Packaging | | |
| Forms | Pellets | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.05 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (200°C/5.0 kg) | 10 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow | 0.40 to 0.60 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Break) | 40.0 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 2.0 | % | ASTM D638 |
| Flexural Modulus | 3300 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 20 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Vicat Softening Temperature | | | |
| -- | 93.0 | °C | ASTM D1525 ¹ |
| -- | 84.0 | °C | ASTM D1525 ² |
| Flammability | Nominal Value | Test Method | |
| Flame Rating | | | UL 94 |
| 1.60 mm | HB | | |

| | |
|---------|-----------------------------------|
| 3.20 mm | HB |
| NOTE | |
| 1. | Rate A (50°C/h), Loading 1 (10 N) |
| 2. | Rate A (50°C/h), Loading 2 (50 N) |

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