



Hostalen PP EBG 252D

Polypropylene, Impact Copolymer

Product Description

Hostalen PP EBG 252D is a natural, 10 % glass fiber reinforced polypropylene blockcopolymer (coupled) with high melt viscosity.

The product has medium low-temperature impact strength and low thermal coefficient of expansion.

The product is used as core layer for the production of 3-layer pipes with reduced thermal elongation.

For regulatory information please refer to *Hostalen PP EBG252D Product Stewardship Bulletin (PSB)*

It is not intended for medical and pharmaceutical applications.

Product Characteristics

| | |
|--------------------------------------|--|
| Status | Commercial: Active |
| Test Method used | ISO |
| Availability | Europe |
| Processing Methods | Extrusion Pipe Sheet and Semi Finished Products |
| Features | Impact Copolymer, Good Dimensional Stability, Low Flow , Medium Impact Resistance, High Rigidity |
| Typical Customer Applications | Plumbing, Heating & Cooling |

| Typical Properties | Method | Value | Unit |
|--|-----------------|---------------------|-------------------|
| Physical | | | |
| Density | ISO 1183 | 0.964 | g/cm ³ |
| Melt flow rate (MFR) (230°C/5.0kg) | ISO 1133 | 1.5 | g/10 min |
| Mechanical | | | |
| Tensile Stress at Break (23 °C, v = 50 mm/min) | ISO 527-1, -2 | 44 | MPa |
| Tensile Stress at Yield (23 °C, v = 50 mm/min) | ISO 527-1, -2 | 45 | MPa |
| Tensile Strain at Yield (23 °C, v = 50 mm/min) | ISO 527-1, -2 | 8 | % |
| Flexural modulus (23 °C, Secant) | ISO 178 | 2000 | MPa |
| Flexural Stress (23 °C, 3.5 %) | ISO 178 | 57 | MPa |
| Impact | | | |
| Notched izod impact strength | ISO 180 | | |
| (23 °C, Type 1, Notch A) | | 25 | kJ/m ² |
| (0 °C, Type 1, Notch A) | | 18 | kJ/m ² |
| Thermal | | | |
| CLTE, Flow (23°C to 80°C) | ISO 11359-1, -2 | 45*10 ⁻⁶ | cm/cm/°C |

Additional Properties

Processing:

The recommended conditions will depend on the typ of equipment used and the size and wall thickness of the pipe or profile required.

Recommended melt temperatures: 200-230 °C

Recommended injection moulding temperatures: 200-280 °C

Notes

Typical properties; not to be construed as specifications.