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/cm³
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/m²
(0 °C, Type 1, Notch A)		18	kJ/m²
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.