



## 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

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

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density	ISO 1183	0.964	g/cm <sup>3</sup>
Melt flow rate (MFR) (230°C/5.0kg)	ISO 1133	1.5	g/10 min
<b>Mechanical</b>			
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
<b>Impact</b>			
Notched izod impact strength	ISO 180		
(23 °C, Type 1, Notch A)		25	kJ/m <sup>2</sup>
(0 °C, Type 1, Notch A)		18	kJ/m <sup>2</sup>
<b>Thermal</b>			
CLTE, Flow (23°C to 80°C)	ISO 11359-1, -2	45*10 <sup>-6</sup>	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.