

Hostalen PP HBG 191D BLUE

Compounded Polyolefin

Product Description

Hostalen PP HBG 191D BLUE is a glass fiber reinforced polypropylene with 25% glass fibers. The grade has been specifically designed for the inner layer of coextruded sewage pipes. The grade is available in pellet form.

Product Characteristics

Material Status	• Commercial
Filler/Reinforcement	• Glass fiber reinforcement
Appearance	• Blue colour
Features	• Flow, low • Rigidity, high
Uses	• Piping
Processing Method	• Extrusion
Forms	• Pellets
Availability	• restricted
Test Standards Available	• ISO

Properties¹

Physical	Nominal Values (SI)	Test Method
Density (Method A)	1.10 g/cm ³	ISO 1183
Melt Mass Flow Rate (230°C/5 kg)	1.8 g/10 min	ISO 1133
Melt Volume-Flow Rate (230°C/5 kg)	2.0 cm ³ /10 min	ISO 1133
Melt Volume-Flow Rate (230°C/2,16 kg)	0.4 cm ³ /10 min	ISO 1133

Mechanical	Nominal Values (SI)	Test Method
Tensile Modulus: (Secant, 1mm/min)	5500 MPa	ISO 527-1, -2
Tensile Stress at Break (50 mm/min.)	85 MPa	ISO 527-1, -2
Tensile strain at Break	4.1 %	ISO 527-1, -2
Flexural Modulus (23°C, Secant)	4700 MPa	ISO 178

Impact	Nominal Values (SI)	Test Method
Charpy unnotched impact strength, 23°C	50 kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	14 kJ/m ²	ISO 179/1eA

Notes

¹ Typical properties; not to be construed as specifications

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Commercial Product Specification (Basell spec nr. 3803)

Product Hostalen PP HBG 191D BLUE

Nr.	Properties	Method	Unit	Min.	Max.
1	Melt Volume Rate at 230°C, 5 Kg	ISO 1133	cm ³ /10 min.	1.7	2.3
2	Ash at 625°C	ISO 3451/1	Wght. %	24.5	26.5

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The quality management-system of Basell is certified to ISO 9001/TS 16949: 2002

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