



## Hostalen PP H2483

### Polypropylene, Impact Copolymer

#### Product Description

**Hostalen PP H2483** is a natural polypropylene copolymer with an exceptional mechanical properties balance.

The product has been specifically designed for extrusion of pipes for underground drainage and sewage applications but can also be used for injection moulding and other extrusion applications. The product provides very high stiffness, excellent impact resistance at room temperature and in particular at sub-zero temperatures with high heat- and extraction stability.

For regulatory information please refer to *Hostalen* PP H2483 Product Stewardship Bulletin ( PSB ).

Hostalen PP H2483 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>	Antioxidant, Block Copolymer
<b>Typical Customer Applications</b>	Soil & Waste Pipe

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density	ISO 1183	0.900	g/cm <sup>3</sup>
Melt flow rate (MFR)	ISO 1133		
(230°C/2.16kg)		0.3	g/10 min
(190°C/5.0kg)		0.5	g/10 min
(230°C/5.0kg)		1.3	g/10 min
<b>Mechanical</b>			
Tensile Modulus (23 °C, v = 1 mm/min, Secant)	ISO 527-1, -2	1800	MPa
<i>Note: after 7 days</i>			
Tensile Stress at Yield (23 °C, v = 50 mm/min)	ISO 527-1, -2	32	MPa
Tensile Strain at Yield (23 °C, v = 50 mm/min)	ISO 527-1, -2	8	%
<b>Impact</b>			
Charpy notched impact strength	ISO 179		
(-30 °C)		4.3	kJ/m <sup>2</sup>
(0 °C)		20	kJ/m <sup>2</sup>
(23 °C)		67	kJ/m <sup>2</sup>
<b>Thermal</b>			
Vicat softening temperature A/50	ISO 306	159	°C
Oxidation induction time (OIT) (200°C)	ISO 11357-6 / EN 728	30	min

#### Additional Properties

##### Processing:

The recommended conditions will depend on the type 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.