



## Hostalen PP H2150 304850

### Polypropylene, Homopolymer

#### Product Description

**Hostalen PP H2150 304850** is a polypropylene homopolymer, grey coloured similar to RAL 7032 (pebble grey) with high melt viscosity for extrusion and compression moulding. The product has a high heat- and extraction stability.

For regulatory information please refer to *Hostalen* PP H2150 304850 Product Stewardship Bulletin ( PSB ).

Hostalen PP H2150 304850 is not intended for medical and pharmaceutical applications.

#### Product Characteristics

<b>Status</b>	Commercial: Active
<b>Test Method used</b>	ISO
<b>Processing Methods</b>	Extrusion Pipe Sheet and Semi Finished Products
<b>Features</b>	Antioxidant, Homopolymer
<b>Typical Customer Applications</b>	Industrial

#### Typical Properties

	Method	Value	Unit
<b>Physical</b>			
Density	ISO 1183	0.910	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	1500	MPa
Tensile Stress at Yield (23 °C, v = 50 mm/min)	ISO 527-1, -2	36	MPa
Tensile Strain at Yield (23 °C, v = 50 mm/min)	ISO 527-1, -2	10	%
<b>Impact</b>			
Charpy notched impact strength	ISO 179		
(-20 °C)		3	kJ/m <sup>2</sup>
(23 °C)		38	kJ/m <sup>2</sup>
(0 °C)		5	kJ/m <sup>2</sup>
<b>Hardness</b>			
Shore hardness (Shore D (3 sec))	ISO 868	67	
Ball indentation hardness (H 358/30)	ISO 2039-1	67	MPa
<b>Thermal</b>			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	90	°C
Vicat softening temperature	ISO 306		
(VST/A/50 K/h (10 N))		156	°C
(VST/B/50 K/h (50 N))		95	°C
Melting Temperature	ISO 3146	159	°C

#### 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.