

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

Test Method used	ISO
Processing Methods	Extrusion Pipe Sheet and Semi Finished Products
Features	Antioxidant, Homopolymer
Typical Customer Applications	Industrial

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.910	g/cm ³
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
Mechanical			
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	%
Impact			
Charpy notched impact strength	ISO 179		
(-20 °C)		3	kJ/m ²
(23 °C)		38	kJ/m ²
(0 °C)		5	kJ/m ²
Hardness			
Shore hardness (Shore D (3 sec))	ISO 868	67	
Ball indentation hardness (H 358/30)	ISO 2039-1	67	MPa
Thermal			
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.

