Hostalen PP H2150

Polypropylene, Homopolymer

Product Description

***Hostalen* PP H2150** is a natural, nucleated polypropylene homopolymer with high melt viscosity for extrusion. The product has a high heat- and extraction stability.
For regulatory information please refer to *Hostalen* PP H2150 Product Stewardship Bulletin (PSB).
Hostalen PP H2150 is not intended for medical and pharmaceutical applications.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe
Processing Methods	Extrusion Pipe Sheet and Semi Finished Products
Features	Antioxidant, Homopolymer, Nucleated
Typical Customer Applications	Industrial

Typical Properties	Method	Value	Unit
Physical			
Density (Method A)	ISO 1183	0.9	g/cm³
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)		1.5	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	11	%
Impact			
Charpy notched impact strength	ISO 179		
(23 °C)		30	kJ/m²
(0 °C)		4.3	kJ/m²
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	100	°C
Vicat softening temperature	ISO 306		
(VST/A/50 K/h (10 N))		158	°C
(VST/B/50 K/h (50 N))		95	°C
Melting Temperature	ISO 3146	160	°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