



Hostalen PP H2450

Polypropylene, Homopolymer

Product Description

Hostalen PP H2450 is a natural 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 H2450 Product Stewardship Bulletin (PSB).

Hostalen PP H2450 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
Typical Customer Applications	Industrial

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.900	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	1450	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)		69	kJ/m ²
(0 °C)		6.1	kJ/m ²
Hardness			
Ball indentation hardness (H 358/30)	ISO 2039-1	67	MPa
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	98	°C
Vicat softening temperature (VST/A/50 K/h (10 N))	ISO 306	157	°C
Melting Temperature	ISO 3146	159	°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