Hostalen PP H1022

Polypropylene, Impact Copolymer

Product Description

***Hostalen* PP H1022** is a natural, basic stabilisation polypropylene blockcopolymer with high melt viscosity and excellent low-temperature impact strength.
For regulatory information please refer to *Hostalen* PP H1022 Product Stewardship Bulletin (PSB)
Hostalen PP H1022 is not intended for medical and pharmaceutical applications.

Product Characteristics

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

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.901	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)		1.3	g/10 min
Mechanical			
Tensile Modulus (23 °C, v = 1 mm/min, Secant)	ISO 527-1, -2	1300	MPa
Tensile Stress at Yield (23 °C, v = 50 mm/min)	ISO 527-1, -2	30	MPa
Tensile Strain at Yield (23 °C, v = 50 mm/min)	ISO 527-1, -2	13	%
Impact			
Charpy notched impact strength	ISO 179		
(-20 °C)		4	kJ/m²
(23 °C)		50	kJ/m²
(0 °C)		15	kJ/m²
(-30 °C)		3	kJ/m²
Hardness			
Shore hardness (Shore D (3 sec))	ISO 868	63	
Ball indentation hardness (H 132/30)	ISO 2039-1	55	MPa
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	93	°C
Vicat softening temperature (VST/A/50 K/h (10 N))	ISO 306	159	°C
Melting Temperature	ISO 3146	164	°C

Additional Properties

Processing:

The recommended conditions will depend on t[illegible] 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.