

Technical Data Sheet

Hostalen PP H1022



Polypropylene, Impact Copolymer

Product Description

Hostalen PP H1022 is a natural, basic stabilization polypropylene block copolymer with high melt viscosity and good low-temperature impact strength. For further details about the suitable applications for this material please contact LyondellBasell.

This grade is not intended for medical and pharmaceutical applications.

This grade is supported for use in drinking water applications.

Application	Fittings; Industrial; Soil & Waste Pipe
Market	Industrial, Building & Construction; Pipe
Processing Method	Extrusion Blow Molding; Pipe; Sheet
Attribute	Block Copolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate			
(230 °C/2.16 kg)	0.3	g/10 min	ISO 1133-1
(230 °C/5.0 kg)	1.3	g/10 min	ISO 1133-1
(190 °C/5.0 kg)	0.5	g/10 min	ISO 1133-1
Density	0.901	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	1300	MPa	ISO 527-1, -2
Tensile Stress at Yield	30	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C, 50 mm/min)	13	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	50	kJ/m ²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	15	kJ/m ²	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	4	kJ/m ²	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	3	kJ/m ²	ISO 179
Hardness			
Shore Hardness, (Shore D)	63		ISO 868
Ball Indentation Hardness, (H 132/30)	55	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature, (A50)	159	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	93	°C	ISO 75B-1, -2
DSC Melting Point	164	°C	ISO 3146