

Technical Data Sheet

Hostalen PP H1022 12



Polypropylene, Impact Copolymer

Product Description

Hostalen PP H1022 12 is a black colored polypropylene blockcopolymer with high melt viscosity and good low-temperature impact strength. The product is typically used by customers in the application injection molded fittings. 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	Injection Molding; Pipe
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	0.908	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus, (23 °C)	1400	MPa	ISO 527-1, -2
Tensile Stress at Yield	31	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C, 50 mm/min)	12	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	117	kJ/m ²	ISO 179
(0 °C)	21	kJ/m ²	ISO 179
(-20 °C)	7	kJ/m ²	ISO 179
Hardness			
Shore Hardness, (Shore D)	64		ISO 868
Ball Indentation Hardness, (H 132/30)	50	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature			
(A50)	158	°C	ISO 306
(B/10 N)	75	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	91	°C	ISO 75B-1, -2
DSC Melting Point	164	°C	ISO 3146