

Technical Data Sheet

Hostalen PP H4122 103220



Polypropylene, Impact Copolymer

Product Description

Hostalen PP H4122 103220 is a black colored polypropylene blockcopolymer. The product is typically used by customers in the application of pipe extrusion. The material *Hostalen PP* H4122 103220 is not intended for medical and pharmaceutical applications. For further details about the suitable applications for this material please contact LyondellBasell.

Regulatory Status

For regulatory compliance information, see *Hostalen PP* H4122 103220 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

This grade is not intended for medical and pharmaceutical applications.

This grade is supported for use in drinking water applications.

Status	Commercial: Active
Availability	Europe
Application	Industrial; Plumbing, Heating & Cooling
Market	Industrial, Building & Construction; Pipe
Processing Method	Injection Molding; Pipe
Attribute	Impact 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 Creep Modulus			
(1 hr / 2 MPa)	1060	MPa	ISO 899-1
(1000 hr / 2 MPa)	500	MPa	ISO 899-1
Tensile Stress at Yield	30	MPa	ISO 527-1, -2
Tensile Strain at Yield	13	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	110	kJ/m ²	ISO 179
(0 °C)	20	kJ/m ²	ISO 179
(-30 °C)	5.8	kJ/m ²	ISO 179
Hardness			
Shore Hardness, (Shore D)	60		ISO 868
Ball Indentation Hardness, (H 132/30)	50	MPa	ISO 2039-1

Thermal

Vicat Softening Temperature			
(A50)	159	°C	ISO 306
(B50)	83	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	89	°C	ISO 75B-1, -2

Notes

These are typical property values not to be construed as specification limits.