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/cm³	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/m²	ISO 179
(0 °C)	20	kJ/m²	ISO 179
(-30 °C)	5.8	kJ/m²	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.