Hostalen PP H4122 103220

Compounded Polyolefin

Product Description

***Hostalen* PP H4122 103220** is a black coloured polypropylene blockcopolymer.
The product has a high heat stability and extremely high extraction stability.
For regulatory information please refer to *Hostalen* PP H4122 103220 Product Stewardship Bulletin (PSB).
Hostalen PP H4122 103220 is not intended for medical and pharmaceutical applications.

Product Characteristics

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

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.908	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	1400	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	%
Tensile Creep Modulus 1h	ISO 899-1	1060	MPa
Tensile Creep Modulus 1000h	ISO 899-1	500	MPa
Impact			
Charpy notched impact strength	ISO 179		
(0 °C)		20	kJ/m²
(-30 °C)		5.8	kJ/m²
(23 °C)		110	kJ/m²
Hardness			
Shore hardness (Shore D (3 sec))	ISO 868	66	
Ball indentation hardness (H 132/30)	ISO 2039-1	50	MPa
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	89	°C
Vicat softening temperature	ISO 306		
(VST/A/50 K/h (10 N))		159	°C
(VST/B/50 K/h (50 N))		83	°C

Additional Properties

Processing:
The recommended conditions will depend on the typ of equipment used 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.