Hostalen PP H2142 12

Polypropylene, Impact Copolymer

Product Description

***Hostalen* PP H2142 12** is a compound of polypropylene homopolymer and heterophasic polypropylen copolymer.
The material Hostalen PP H2142 12 has been certified by ISO9080 and according to ISO12162 as PP100.
For further details about the suitable applications for this material please contact LyondellBasell.
For regulatory information please refer to *Hostalen* PP H2142 12 Product Stewardship Bulletin (PSB)
Hostalen PP H2142 12 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, Injection Molding
Features	Antioxidant, Block Copolymer, Good Creep Resistance , Good Weather Resistance
Typical Customer Applications	Fittings, 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)		0.6	g/10 min
(230°C/5.0kg)		1.4	g/10 min
Mechanical			
Tensile Modulus (23 °C, v = 1 mm/min, Secant)	ISO 527-1, -2	1500	MPa
Tensile Stress at Yield (23 °C, v = 50 mm/min)	ISO 527-1, -2	34	MPa
Tensile Strain at Yield (23 °C, v = 50 mm/min)	ISO 527-1, -2	12	%
MRS classification	ISO 9080	10	MPa
Impact			
Charpy notched impact strength	ISO 179		
(-20 °C)		3	kJ/m²
(23 °C)		54	kJ/m²
(0 °C)		5	kJ/m²
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	92	°C
Melting Temperature	ISO 3146	160	°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.