

Hostalen PP H2250 36

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Hostalen PP H2250 36 is a polypropylene homopolymer, grey coloured similar to RAL 7032 (pebble grey) with high melt viscosity for extrusion and compression moulding. The product has a high heat- and extremely high extraction stability.

The material Hostalen PP H2250 36 has not been tested and therefore has not been certified for pressure applications. For further details about the suitable applications for this material please contact LyondellBasell.

Hostalen PP H2250 36 is not intended for medical and pharmaceutical applications.

General Information	
Additive	Antioxidant
Features	Antioxidant
	Extraction Resistant
	High Heat Resistance
	Homopolymer
Uses	Industrial Applications
	Sheet
Appearance	Grey
Forms	Pellets
Processing Method	Compression Molding
	Extrusion
	Pipe Extrusion
	Sheet Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/5.0 kg	0.50	g/10 min	
230°C/2.16 kg	0.30	g/10 min	
230°C/5.0 kg	1.3	g/10 min	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 3 sec)	73		ISO 868
Ball Indentation Hardness (H 358/30)	66.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant (23°C)	1400	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	36.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C)	11	%	ISO 527-2/50
Tensile Creep Modulus			ISO 899-1

1 hr	1300	MPa	
1000 hr	660	MPa	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
0°C	6.1	kJ/m ²	
23°C	69	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	85.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	55.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	150	°C	ISO 306/A50
--	90.0	°C	ISO 306/B50
Melting Temperature (DSC)	159	°C	ISO 3146
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 to 280	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	200 to 230	°C	

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