

Hostalen PP H2150 304850

Polypropylene Homopolymer
LyondellBasell Industries

Message:

Hostalen PP H2150 304850 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 extraction stability.

The material Hostalen PP H2150 304850 has been 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 H2150 304850 is not intended for medical and pharmaceutical applications.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Good Thermal Stability		
	High Viscosity		
	Homopolymer		
Uses	Industrial Applications		
	Piping		
	Sheet		
Appearance	Grey		
Forms	Pellets		
Processing Method	Compression Molding		
	Extrusion		
	Pipe Extrusion		
	Sheet Extrusion		

Physical	Nominal Value	Unit	Test Method
Density	0.910	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)	70		ISO 868
Ball Indentation Hardness (H 358/30)	67.0	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	1250	MPa	
1000 hr	650	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	90.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	54.0	°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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