

Hostalen PP H2450

Polypropylene Homopolymer
LyondellBasell Industries

Message:

Hostalen PP H2464 is a natural polypropylene copolymer with an exceptional mechanical properties balance. The product has been specifically designed for extrusion of structured wall pipes for underground drainage and sewage applications but can also be used for other extrusion applications. The product provides high stiffness, excellent impact resistance at room temperature and in particular at sub-zero temperatures with high heat- and extraction stability. The material Hostalen PP H2464 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 H2464 is not intended for medical and pharmaceutical applications.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Extraction Resistant		
	High Heat Resistance		
	High Viscosity		
	Homopolymer		
Uses	Industrial Applications		
	Piping		
	Sheet		
Processing Method	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)	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

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
Vicat Softening Temperature	150	°C	ISO 306/A50
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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Recommended distributors for this material

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