

Moplen HP556E

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Moplen HP556E is used in extrusion and blow moulding applications. It is formulated with an enhanced process stabilisation package providing also low water-carry-over during processing on strapping lines. Moplen HP556E is used in the production of straps, sheets, pipes and technical injection-moulded items. For regulatory information please refer to Moplen HP556E Product Stewardship Bulletin (PSB).

General Information			
Additive	Processing Aid		
Features	High Molecular Weight		
	Homopolymer		
	Low Water Carryover		
Uses	Blow Molding Applications		
	Piping		
	Strapping		
Processing Method	Blow Molding		
	Extrusion		
	Injection Molding		
	Pipe Extrusion		
	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.80	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	34.0	MPa	
Break	28.0	MPa	
Tensile Strain			ISO 527-2
Yield	11	%	
Break	> 500	%	
Flexural Modulus	1400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	14	kJ/m²	ISO 179
Charpy Unnotched Impact Strength	260	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	90.0	°C	ISO 75-2/B

Vicat Softening Temperature			
--	153	°C	ISO 306/A50
--	93.0	°C	ISO 306/B50

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