

Moplen HP456H

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Moplen HP456H is used in extrusion and thermoforming applications. It is formulated with a low water-carry-over additive package. Typical applications are strapping, monofilaments and tapes. For regulatory information please refer to Moplen HP456H Product Stewardship Bulletin (PSB).

General Information			
Features	Good Stretchability Homopolymer Low Water Carryover		
Uses	Agricultural Applications Monofilaments Strapping Tape		
Forms	Pellets		
Processing Method	Extrusion Thermoforming		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.8	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	34.0	MPa	
Break	25.0	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	11	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	240	kJ/m ²	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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