

# Moplen HP456J

Polypropylene Homopolymer

LyondellBasell Industries

## Message:

Moplen HP456J is used in extrusion and thermoforming applications. It is formulated with a low water-carry-over additive package. Typical applications are monofilaments, ropes and tapes. For regulatory information please refer to Moplen HP456J Product Stewardship Bulletin (PSB).

General Information			
Features	Good Stretchability		
	Homopolymer		
	Low Water Carryover		
Uses	Agricultural Applications		
	Monofilaments		
	Rope		
	Strapping		
	Tape		
Forms	Pellets		
Processing Method	Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.4	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	34.0	MPa	
Break	23.0	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 (23°C)	4.0	kJ/m <sup>2</sup>	ISO 179
Charpy Unnotched Impact Strength (23°C)	190	kJ/m <sup>2</sup>	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

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### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

