

# Moplen HP462S

Polypropylene Homopolymer

LyondellBasell Industries

## Message:

Moplen HP462S is a very narrow Molecular Weight Distribution homopolymer, suitable for extrusion applications. Moplen HP462S is designed for production of continuous filaments. Typical applications are HTY and spunbond nonwoven.

General Information			
Features	Controlled Rheology		
	Gas-fading Resistant		
	Homopolymer		
	Narrow Molecular Weight Distribution		
Uses	Agricultural Applications		
	Filaments		
	Furniture		
	Nonwovens		
	Spunbond Nonwovens		
	Yarn		
Forms	Pellets		
Processing Method	Fiber (Spinning) Extrusion		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	36	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1450	MPa	ISO 527-2
Tensile Stress (Yield)	34.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	8.0	%	
Break	> 50	%	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	85.0	°C	ISO 75-2/B
Vicat Softening Temperature			
--	154	°C	ISO 306/A50
--	90.0	°C	ISO 306/B50

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