

# Moplen HP400H

Polypropylene Homopolymer

LyondellBasell Industries

Message:

General Purpose Polypropylene Homopolymer Resin

Features:

- Good processability
- Low odor and taste transfer
- Excellent chemical resistance
- Low yellowness
- Good tensile strength

Applications:

- Slit tape
- Straw
- Monofilaments
- Rope, twine
- Stationary sheets
- Bottles, flasks

General Information			
Features	High tensile strength		
	Lower odor transfer		
	Lower taste transfer		
	Homopolymer		
	Workability, good		
	Good chemical resistance		
	General		
Uses	Twine		
	Strap		
	Sheet		
	Bottle		
	Rope		
	Filament		
	Beverage straw		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm <sup>3</sup>	ASTM D792B
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.1	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	33.0	MPa	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus	1450	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact (23°C)	40	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	95.0	°C	ASTM D648

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