

# Moplen HP500D

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Moplen HP500D is a high molecular weight is a homopolymer, for processing by extrusion processes. This grade is specifically designed for melt phase thermoforming with good stiffness and low sagging tendency. Typical applications of Moplen HP500D include food trays, containers, sheets.

General Information	
Features	High Molecular Weight
	High Stiffness
	Homopolymer
Uses	Containers
	Sheet
	Support Trays
Forms	Pellets
Processing Method	Extrusion
	Pipe Extrusion
	Sheet Extrusion
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.50	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	35.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1560	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	100	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	103	°C	ASTM D648

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