

Moplen HP500N

Polypropylene Homopolymer

LyondellBasell Industries

Message:

General Purpose Polypropylene Homopolymer Resin

Features:

Good stiffness

Good heat - age life

Low odor and taste transfer

Excellent resistance to environmental stress - cracking

Applications:

Food containers

Housewares

Toys

Closures

Hospital and institutional wares

Multifilament fiber

General Information	
UL YellowCard	E205299-228168
Features	Rigid, good
	High ESCR (Stress Cracking Resistance)
	Lower odor transfer
	Lower taste transfer
	Homopolymer
	Good heat aging resistance
	Compliance of Food Exposure
Uses	Household goods
	Food container
	Shell
	Toys
	Fiber
	Medical equipment

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792B
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	34.0	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus	1480	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact (23°C)	25	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	97.0	°C	ASTM D648

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