

# Moplen HP400K

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Moplen HP400K is a general purpose homopolymer, can be processed by extrusion processes and injection moulding process. Typical applications include slit tapes, straws, housewares and funitures.

General Information			
Features	General Purpose		
	Good Chemical Resistance		
	Good Processability		
	Good Strength		
	Homopolymer		
	Low Odor Transfer		
	Low Taste Transfer		
	Low to No Odor		
Uses	Filaments		
	Furniture		
	Household Goods		
	Strapping		
	Tape		
	Yarn		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
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)	4.0	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	1400	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	32	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Annealed)	93.0	°C	ASTM D648

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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

