

Moplen HP400K

Polypropylene Homopolymer

LyondellBasell Industries

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Technical Data

Product Description

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 furnitures.

General

Material Status	• Commercial: Active		
Literature ¹	• Processing - Mold Shrink (English) • Technical Datasheet (English)		
Search for UL Yellow Card	• LyondellBasell Industries • Moplen		
Availability	• Africa & Middle East	• Asia Pacific	
Features	• Chemical Resistant • General Purpose • Good Processability	• Good Strength • Homopolymer • Low Odor	• Low Odor Transfer • Low Taste Transfer
Uses	• Drinking Straws • Filaments • Furniture	• General Purpose • Household Goods • Strapping	• Tape • Yarn
Processing Method	• Extrusion	• Injection Molding	

Physical	Nominal Value Unit	Test Method
Density / Specific Gravity	0.900 g/cm ³	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, Unannealed	93.0 °C	ASTM D648

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

