

Technical Data Sheet



Moplen HP520H

Polypropylene, Homopolymer

Product Description

Moplen HP520H is a polypropylene homopolymer especially designed for the production of biaxially oriented polypropylene films (BOPP). It contains a general purpose formulation. Typical applications of Moplen HP520H are film for adhesive tapes and general packaging.

Regulatory Status

For regulatory compliance information, see Moplen HP520H [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Africa-Middle East; Europe
Application	Food Packaging Film; Raffia/Tapes/Strapping
Market	Flexible Packaging
Processing Method	BOPP
Attribute	Homopolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	2.0	g/10 min	ISO 1133-1
Density	0.900	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	1450	N/mm ²	ISO 178
Tensile Stress at Break	23	N/mm ²	ISO 527-1, -2
Tensile Stress at Yield, (23 °C, 50 mm/min)	34	N/mm ²	ISO 527-1, -2
Tensile Strain at Break, (23 °C, 50 mm/min)	>=500	%	ISO 527-1, -2
Tensile Strain at Yield, (23 °C, 50 mm/min)	12	%	ISO 527-1, -2
Hardness			
Shore Hardness, (Shore D)	71		ISO 868
Thermal			
Vicat Softening Temperature, (A50)	155	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	93	°C	ISO 75B-1, -2
Optical			
Haze	0.30	%	ASTM D1003



Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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