

## Technical Data Sheet

### *Moplen* HP520J HP



Polypropylene, Homopolymer

#### Product Description

*Moplen* HP520J HP is a polypropylene homopolymer designed for the production of biaxially oriented polypropylene films (BOPP). It has a very low level of catalyst residues and it does not contain any slip and antiblocking agents. *Moplen* HP520J HP offers good optical, easy processing and good film profile.

<b>Application</b>	Food Packaging Film; Thermoformed Food Containers
<b>Market</b>	Flexible Packaging
<b>Processing Method</b>	BOPP; Thermoforming
<b>Attribute</b>	Good Processability; High Clarity; High Gloss; Homopolymer; Medium Flow

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	3.0	g/10 min	ISO 1133-1
Density	0.90	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
Flexural Modulus	1450	N/mm <sup>2</sup>	ISO 178
Tensile Stress at Break, (23 °C, 50 mm/min)	23	N/mm <sup>2</sup>	ISO 527-1, -2
Tensile Stress at Yield, (23 °C, 50 mm/min)	34	N/mm <sup>2</sup>	ISO 527-1, -2
Tensile Strain at Break, (23 °C, 50 mm/min)		%	ISO 527-1, -2
Tensile Strain at Yield, (23 °C, 50 mm/min)	12	%	ISO 527-1, -2
<b>Thermal</b>			
Vicat Softening Temperature, (A50)	154	°C	ISO 306