

## Technical Data Sheet

### *Moplen* HP525J



Polypropylene, Homopolymer

#### Product Description

*Moplen* HP525J is a polypropylene homopolymer designed for the production of biaxially oriented polypropylene films (BOPP). The product is suitable for metallizable film, both as monolayer and in coextruded structures. It contains a standard processing stabilisation but does not contain any slip, antiblocking agents and no Calcium Stearate is intentionally added. *Moplen* HP525J offers good optical, easy processing and very good film profile. Typical applications are BOPP packaging films and Solid Phase Thermoforming sheets.

<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)	>=150	%	ISO 527-1, -2
Tensile Strain at Yield, (23 °C, 50 mm/min)	12	%	ISO 527-1, -2
<b>Hardness</b>			
Shore Hardness, (Shore D)	70		ISO 868
<b>Thermal</b>			
Vicat Softening Temperature, (A50)	154	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	85	°C	ISO 75B-1, -2