

Technical Datasheet Moplen HP525J

1) 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 it is Calcium Stearate free.

Moplen HP525J offers good optical, easy processing and very good film profile. Typical applications are BOPP packaging films and Solid Phase Thermoforming sheets.

2) Applications:

BOPP, Food Packaging Film, Thermoformed Food Containers

3) Typical data:

Property	Test method	Unit	Value*
Density	ISO 1183	g/cm ³	0.900
Melt Flow Rate (230°C/2.16kg)	ISO 1133	g/10 min	3.0
Tensile Stress at Break (50 mm/min)	ISO 527-1, -2	N/mm ²	23
Tensile Stress at Yield (50 mm/min)	ISO 527-1, -2	N/mm ²	34
Tensile Strain at Break (50 mm/min)	ISO 527-1, -2	%	>500
Tensile Stress at Yield (50 mm/min)	ISO 527-1, -2	%	12
Flexural Modulus	ISO 178	N/mm ²	1450
Shore hardness (Shore D)	ISO 868	-	70
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	°C	85
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	°C	154

* Typical values not to be construed as specifications.