



Moplen HP527J

Polypropylene, Homopolymer

Product Description

Moplen HP527J is a polypropylene homopolymer designed for the production of biaxially oriented polypropylene films (BOPP), especially for high shrinkage memory film. It contains a standard processing stabilisation but does not contain any slip, antiblocking agents and it is Calcium Stearate free.

Moplen HP527J typical applications are BOPP shrinkage tobacco films in blends with hydrogenated hydrocarbon resins.

For regulatory information please refer to Moplen HP527J Product Stewardship Bulletin (PSB).

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, Africa-Middle East
Processing Methods	BOPP, Extrusion Thermoforming
Features	High Flow , Homopolymer
Typical Customer Applications	BOPP, Film, Food Packaging Film, Surface Protection Film, Thermoformed Food Containers

Typical Properties	Method	Value Unit
Physical		
Density	ISO 1183	0.900 g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	3.0 g/10 min
Mechanical		
Tensile Modulus (1 mm/min)	ISO 527-1, -2	1450 MPa
Tensile Stress at Yield (50 mm/min)	ISO 527-1, -2	34.0 MPa
Tensile Strain at Yield (50 mm/min)	ISO 527-1, -2	11 %
Hardness		
Shore hardness (Shore D)	ISO 868	70
Thermal		
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	85.0 °C
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	156 °C

Additional Properties

Typical Film Properties of monolayer film produced on a laboratory simultaneous film stretcher (7x7@150°C):

Haze, ASTM D 1003, 20µm: 0.7 %

Tensile Tangent Modulus (0-1%), MA 18068, 5 mm/min, 20 µm: 2700 MPa

Stress at Break, MA 18068, 50 mm/min, 20 µm: 135 MPa

Elongation at Break, MA 18068, 50 mm/min, 20 µm: 32%

Notes

Typical properties; not to be construed as specifications.

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- ┆ Equistar Chemicals, LP
- ┆ Basell Sales & Marketing Company B.V.
- ┆ Basell Asia Pacific Limited
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- ┆ LyondellBasell Australia Pty Ltd

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Users should review the applicable Material Safety Data Sheet before handling the product.

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