Moplen HP2622

Polypropylene, Homopolymer

Product Description

Moplen HP2622 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 is Calcium Stearate free.
Moplen HP2622 offers good optical, easy processing and very good film profile. Typical applications are BOPP packaging films and Solid Phase Thermoforming sheets.
Moplen HP2622 is suitable for food contact.

Product Characteristics

Status	Commercial: Restricted
Test Method used	ISO ASTM
Availability	Europe, Africa-Middle East
Processing Methods	BOPP, Extrusion Thermoforming
Features	High Clarity, Medium Flow, High Gloss , Homopolymer, Good Processability
Typical Customer Applications	BOPP, Food Packaging Film, Thermoformed Food Containers

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.900	g/cm³
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 Break (50 mm/min)	ISO 527-1, -2	23.0	MPa
Tensile Stress at Yield (50 mm/min)	ISO 527-1, -2	34.0	MPa
Tensile Strain at Break (50 mm/min)	ISO 527-1, -2	>50	%
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 T.M. Long equipment, 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.