



Moplen HP2624

Polypropylene, Homopolymer

Product Description

"Moplen" HP 2624 is a polypropylene homopolymer designed for the production of biaxially oriented polypropylene films (BOPP). The product is particularly suitable for both plain and coextruded structures for metallization. It does not contain any slip or antiblocking agents and is Calcium Stearate free. BOPP films made of "Moplen" HP 2624 are widely used in the food packaging industry.

"Moplen" HP 2624 is suitable for food contact.

Product Characteristics

Status	Commercial: Restricted
Test Method used	ISO ASTM
Availability	Europe, Africa-Middle East
Processing Methods	BOPP
Features	Homopolymer
Typical Customer Applications	Barrier Film, BOPP, Film, Food Packaging Film

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.900	g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	2.0	g/10 min
Mechanical			
Tensile Modulus (1 mm/min)	ISO 527-1, -2	1500	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	410	%
Tensile Strain at Yield (50 mm/min)	ISO 527-1, -2	11	%
Hardness			
Shore hardness (Shore D)	ISO 868	71	
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	93.0	°C
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	152	°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, 20 µm: 0.6%

Tensile Tangent Modulus (0-1%), MA 18068, 5 mm/min, 20 µm: 2500 MPa

Stress at Break, MA 18068, 50 mm/min, 20 µm: 114 MPa

Elongation at Break, MA 18068, 50 mm/min, 20 µm: 25%

Notes

Typical properties; not to be construed as specifications.