

Moplen HP2973

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Moplen HP2973 is a modified polypropylene homopolymer designed for the production of BOPP films at very high speed. BOPP films produced with HP2973 feature good mechanical properties, excellent barrier against moisture, odours, oxygen, and good transparency and gloss. Coextruded films made of Moplen HP2973 are widely used in the food packaging industry. Moplen HP2973 is formulated with slip agent and antistatic. For regulatory information please refer to Moplen HP2973 Product Stewardship Bulletin (PSB).

General Information			
Additive	Antistatic property slip agent		
Features	Baoxiang Moisture proof Highlight smoothness Homopolymer Antistatic property The smell is low to none Definition, high Oxygen barrier		
Uses	Bi-axially Oriented Film Packaging Films Food packaging		
Processing Method	Film extrusion Co-extrusion molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	70		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1450	MPa	ISO 527-2/1
Tensile Stress (Yield)	34.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50

Yield	10	%	ISO 527-2/50
Fracture	410	%	ISO 527-2/50
Films	Nominal Value	Unit	Test Method
Tensile Modulus - Tangent ¹ (20 μm)	2400	MPa	MA 18068
Tensile Stress ² (Break, 20 μm)	116	MPa	MA 18068
Tensile Elongation ³ (Break, 20 μm)	29	%	MA 18068
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	88.0	°C	ISO 75-2/B
Vicat Softening Temperature	152	°C	ISO 306/A50
NOTE			
1.	5 mm/min		
2.	50 mm/min		
3.	50 mm/min		

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