

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/cm³	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		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

