

Moplen RP325M

Polypropylene Random Copolymer

LyondellBasell Industries

Message:

"Moplen" RP325M is a controlled rheology slightly propylene random copolymer for manufacturing high transparent cast films. The product contains slip- and antiblock agents. It exhibits very good optical properties and good heat weldability. Main applications are packaging of foodstuffs such as sweets, pasta, biscuits and snacks, packaging of books, stationary, blankets, shirts and hosiery.

"Moplen" RP325M is suitable for food contact.

For regulatory information please refer to "Moplen" RP325M Product Stewardship Bulletin (PSB).

General Information			
Additive	Antiblock		
	Slip		
Features	Antiblocking		
	Controlled Rheology		
	Food Contact Acceptable		
	High Clarity		
	Opticals		
	Random Copolymer		
	Slip		
Uses	Cast Film		
	Food Packaging		
	Packaging		
	Stationary Supplies		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Cast Film		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	900	MPa	ISO 527-2/1
Tensile Stress (Yield)	25.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	11	%	ISO 527-2/50
Coefficient of Friction			ASTM D1894
vs. Itself - Dynamic	0.20		
vs. Itself - Static	0.20		
Films	Nominal Value	Unit	Test Method

Secant Modulus - MD ¹ (50 μm)	640	MPa	ASTM D882
Tensile Strength - MD ²			ASTM D882
Yield, 50 μm	19.4	MPa	
Break, 50 μm	38.0	MPa	
Tensile Elongation - MD ³			ASTM D882
Yield, 50 μm	6.7	%	
Break, 50 μm	760	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
0°C	1.4	kJ/m ²	
23°C	4.5	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	68.0	°C	ISO 75-2/B
Vicat Softening Temperature	130	°C	ISO 306/A50
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 μm)	89		ASTM D2457
Haze (50.0 μm)	< 1.0	%	ASTM D1003
NOTE			
1.	30 mm/min		
2.	500 mm/min		
3.	500 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



WECHAT