

Moplen RP225M

Polypropylene Random Copolymer

LyondellBasell Industries

Message:

"Moplen" RP225M is a controlled rheology medium modified propylene random copolymer for manufacturing high transparent cast films. The product contains slip and anti-block agents. It offers good processability, excellent clarity and gloss and exhibits very good heat weldability. Main applications are packaging of foodstuffs, packaging of stationary, shirts and hosiery. It is also suitable for production of stationary folders.

"Moplen" RP225M is suitable for food contact.

For regulatory information please refer to "Moplen" RP225M Product Stewardship Bulletin (PSB).

General Information			
Additive	Antiblock		
	Slip		
Features	Antiblocking		
	Controlled Rheology		
	Food Contact Acceptable		
	Good Processability		
	High Clarity		
	High Gloss		
	Random Copolymer		
	Slip		
	Weldable		
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	700	MPa	ISO 527-2/1
Tensile Stress (Yield)	23.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	12	%	ISO 527-2/50
Coefficient of Friction			ASTM D1894
vs. Itself - Dynamic, Cast Film	0.20		

vs. Itself - Static, Cast Film	0.20		
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	μm	
Secant Modulus - MD ¹ (50 μm, Cast Film)	560	MPa	ASTM D882
Tensile Strength - MD ²			ASTM D882
Yield, 50 μm, Cast Film	19.4	MPa	
Break, 50 μm, Cast Film	38.0	MPa	
Tensile Elongation - MD ³			ASTM D882
Yield, 50 μm, Cast Film	7.6	%	
Break, 50 μm, Cast Film	740	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
0°C	1.5	kJ/m ²	
23°C	9.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	60.0	°C	ISO 75-2/B
Vicat Softening Temperature	120	°C	ISO 306/A50
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 μm, Cast Film)	89		ASTM D2457
Haze (50.0 μm, Cast Film)	< 1.5	%	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