Moplen HP515M

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Moplen HP515M is a polypropylene homopolymer developed for the production of transparent cast film. It is formulated with slip and anti-blocking agents. Films made with Moplen HP515M show very high transparency, a high gloss and a good printability after corona treatment. Main applications are the production of shopping bags and packaging of snacks, pasta, bakery products, books, blankets, hosiery and shirts.
Moplen HP515M is suitable for food contact.
For regulatory information please refer to Moplen HP515M Product Stewardship Bulletin (PSB).

General Information			
Additive	Antiblock Slip		
Features	Antiblocking Excellent Printability Food Contact Acceptable High Clarity High Gloss Homopolymer Slip		
Uses	Bags Cast Film Film Food Packaging Packaging		
Processing Method	Cast Film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.900	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.0	g/10 min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D)	70		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1250	MPa	ISO 527-2
Tensile Stress (Yield)	30.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	11	%	
Break	570	%	
Coefficient of Friction			ASTM D1894

vs. Itself - Dynamic	0.25		
vs. Itself - Static	0.30		
Films	**Nominal Value**	**Unit**	**Test Method**
Secant Modulus - MD [1] (50 μm)	800	MPa	ASTM D882
Tensile Strength - MD [2]			ASTM D882
Yield,50 μm	21.0	MPa	
Break, 50 μm	32.0	MPa	
Tensile Elongation - MD [3]			ASTM D882
Yield, 50 μm	5.0	%	
Break, 50 μm	610	%	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	85.0	°C	ISO 75-2/B
Vicat Softening Temperature	153	°C	ISO 306/A50
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (45°, 100 μm)	88		ASTM D2457
Haze (100 μm)	1.5	%	ASTM D1003
NOTE			
1.	25 mm/min		
2.	500 mm/min		
3.	500 mm/min		

Recommended distributors for this material

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