

Moplen HP515M

Polypropylene, Homopolymer

Product Description

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).

Product Characteristics

Commercial: Active Status

Test Method used ISO ASTM

Availability Europe, Africa-Middle East

Processing Methods Cast Film

Unspecified Antiblocking , High Clarity, High Gloss **Features**

Homopolymer, Excellent Printability, Unspecified Slip

Typical Customer Applications Cast Film, Film, Food Packaging Film, Textile Packaging

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.900	g/cm³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	9.5	g/10 min
Mechanical			
Tensile Modulus	ISO 527-1, -2	1250	MPa
Tensile Stress at Yield	ISO 527-1, -2	30.0	MPa
Tensile Strain at Break	ISO 527-1, -2	570	%
Tensile Strain at Yield	ISO 527-1, -2	11	%
Hardness			
Shore hardness (Shore D)	ISO 868	70	
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	85.0	°C
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	153	°C

Additional Properties

Typical Film Properties: Gloss 45°, ASTM D 2457, 100 μm: 87.9 Haze, ASTM D 1003, 100 μm: 1.5% Tensile Young Modulus, ASTM D 882, 25 mm/min, 50 µm: 800 MPa Stress at Yield, ASTM D 882, 500 mm/min, 50µm: 21 MPa Elongation at Yield, ASTM D882, 500 mm/min, 50 μm : 5% Elongation at Break, ASTM D 882, 500 mm/min, 50 µm: 32 MPa Elongation at Break, ASTM D 882, 500 mm/min, 50 µm: 610 % Coefficient of friction, ASTM D 1894, Static, 50 µm: 0.3 Coefficient of friction, ASTM D 1894, Dynamic, 50 µm: 0.25

Typical properties; not to be construed as specifications.