

Technical Data Sheet

Moplen HP522H



Polypropylene, Homopolymer

Product Description

Moplen HP522H is a polypropylene homopolymer designed for the production of biaxially oriented polypropylene films (BOPP). The product is particularly suitable for both plain and coextruded structures for metallization. It does not contain any slip or antiblocking agents and no Calcium Stearate is intentionally added. BOPP films made of *Moplen* HP522H are widely used in the food packaging industry.

Application	Barrier Film; Food Packaging Film
Market	Flexible Packaging
Processing Method	BOPP
Attribute	High Gloss; Homopolymer; Metallizeable

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	2.0	g/10 min	ISO 1133-1
Density	0.900	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	1450	N/mm ²	ISO 178
Tensile Stress at Break	23	N/mm ²	ISO 527-1, -2
Tensile Stress at Yield, (23 °C, 50 mm/min)	34	N/mm ²	ISO 527-1, -2
Tensile Strain at Break, (23 °C, 50 mm/min)	>500	%	ISO 527-1, -2
Tensile Strain at Yield, (23 °C, 50 mm/min)	12	%	ISO 527-1, -2
Hardness			
Shore Hardness, (Shore D)	71		ISO 868
Thermal			
Vicat Softening Temperature, (A50)	155	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	93	°C	ISO 75B-1, -2
Optical			
Haze	0.60	%	ASTM D1003