

Technical Data Sheet

Moplen HP520H



Polypropylene, Homopolymer

Product Description

Moplen HP520H is a polypropylene homopolymer especially designed for the production of biaxially oriented polypropylene films (BOPP). It contains a general purpose formulation. Typical applications of *Moplen* HP520H are film for adhesive tapes and general packaging.

Application	Food Packaging Film; Raffia/Tapes/Strapping
Market	Flexible Packaging
Processing Method	BOPP
Attribute	Homopolymer

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	0.30	%	ASTM D1003