Technical Data Sheet

Moplen HP420M

Polypropylene, Homopolymer

Product Description

Moplen HP420M is a high flow polypropylene homopolymer designed for the production of biaxially oriented polypropylene films (BOPP) on tubular double bubble lines and cast film. Typical applications are BOPP packaging, laminating film and drinking straws but also packaging foodstuffs such as pasta, snacks, biscuits, bakery products and confectionery, film for packaging for flowers, books stationery, blankets, shirts, knitwear and hosiery.

Application	Food Packaging Film; Lamination Film; Straws, Drinking; Surface Protection Film; Textile Packaging Film
Market	Flexible Packaging
Processing Method	BOPP; Cast Film; Double Bubble
Attribute	High Flow; Homopolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	8.0	g/10 min	ISO 1133-1
Density	0.900	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus	1350	MPa	ISO 178
Tensile Stress at Break, (23 °C)	21	MPa	ISO 527-1, -2
Tensile Stress at Yield	33	MPa	ISO 527-1, -2
Tensile Strain at Break	>500	%	ISO 527-1, -2
Tensile Strain at Yield	33	%	ISO 527-1, -2
Thermal			
Vicat Softening Temperature, (A50)	153	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	85.0	°C	ISO 75B-1, -2