

# HP420M

## Homopolymer

**Description:**

HP420M is a high flow polypropylene homopolymer designed for the production of biaxially oriented polypropylene film (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. HP420M" is suitable for food contact.

**Typical Applications**

- BOPP Films
- Drinking Straws
- Packaging of foodstuffs

**Features:** High flow, Good transparency

**Suitable for:** BOPP Film on tubular double bubble lines, Cast Film

**Product Specification**

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16 kg)	8	g/10 min	ISO 1133
Density	0.9	g/cm <sup>3</sup>	ISO 1183
Tensile Modulus (1 mm/min)	1450	MPa	ISO 527-1, -2
Tensile strength at Yield (50 mm/min)	35	MPa	ISO 527-1, -2
Tensile elongation at Yield (50 mm/min)	10	%	ISO 527-1, -2
Shore hardness (Shore D)	70	----	ISO 868
Vicat softening point A50	152	°C	ISO 306
H.D.T.B (0.45 MPa)	85	°C	ISO 75B-1, -2

\* Typical values; not to be considered as product specification.