



## Moplen HP493M

### Polypropylene, Homopolymer

#### Product Description

Moplen HP493M 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 metallized film.

For regulatory information please refer to Moplen HP493M Product Stewardship Bulletin (PSB).

#### Product Characteristics

<b>Status</b>	Commercial: Active
<b>Test Method used</b>	ISO
<b>Availability</b>	Europe, Africa-Middle East
<b>Processing Methods</b>	BOPP, Cast Film, Double Bubble
<b>Features</b>	High Flow , Homopolymer
<b>Typical Customer Applications</b>	BOPP, Cast Film, Double Bubble Shrink Film, Film, Food Packaging Film, Lamination Film, Surface Protection Film, Textile Packaging Film

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density	ISO 1183	0.900	g/cm <sup>3</sup>
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	8.0	g/10 min
<b>Mechanical</b>			
Tensile Modulus (1 mm/min)	ISO 527-1, -2	1450	MPa
Tensile Stress at Yield (50 mm/min)	ISO 527-1, -2	35.0	MPa
Tensile Strain at Yield (50 mm/min)	ISO 527-1, -2	10	%
<b>Hardness</b>			
Shore hardness (Shore D)	ISO 868	70	
<b>Thermal</b>			
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	152	°C

#### Notes

Typical properties; not to be construed as specifications.