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

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

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.900	g/cm³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	8.0	g/10 min
Mechanical			
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	%
Hardness			
Shore hardness (Shore D)	ISO 868	70	
Thermal			
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.