



Moplen PP257M

Polypropylene, Homopolymer

Product Description

"Moplen" PP257M is a high flow polypropylene homopolymer designed for the production of biaxially oriented polypropylene films (BOPP) with improved rigidity.

"Moplen" PP257M offers good opticals. Typical applications are BOPP packaging and laminating films.

"Moplen" PP257M contains a proprietary stabilisation package and is suitable for food contact.

Product Characteristics

Status	Commercial: Proprietary
Test Method used	ISO
Availability	Europe
Processing Methods	BOPP
Features	Homopolymer
Typical Customer Applications	BOPP, Lamination Film, Textile Packaging Film

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.900	g/cm ³
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	1400	MPa
Tensile Stress at Yield (50 mm/min)	ISO 527-1, -2	36	MPa
Tensile Strain at Break (50 mm/min)	ISO 527-1, -2	550	%
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	°C
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	153	°C

Notes

Typical properties; not to be construed as specifications.