Moplen HP2800

Polypropylene, Homopolymer

Product Description

Moplen HP2800 is a modified polypropylene homopolymer containing a Calcium Stearate free stabilization package. It does not contain any slip or antiblocking additives.

Moplen HP2800 is designed for the high speed production of BOPP films. It is used by customers for a broad range of applications including metallizable films and both plain and coextruded structures.

BOPP films produced with *Moplen* HP2800 exhibit balanced mechanical properties, good transparency, gloss and enhanced shrinkage properties.

For regulatory information please refer to *Moplen* HP2800 Product Stewardship Bulletin (PSB).

Product Characteristics

Status	Development
Test Method used	ISO ASTM
Availability	Europe
Processing Methods	BOPP
Features	Homopolymer
Typical Customer Applications	Barrier Film, BOPP, Film, Food 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	3.0	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	34.0	MPa
Tensile Strain at Break (50 mm/min)	ISO 527-1, -2	410	%
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	88.0	°C
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	152	°C

Additional Properties

Typical Film Properties of monolayer film produced on T.M. Long equipment, a laboratory simultaneous film stretcher (7x7@150°C):
Haze, ASTM D 1003, 20 µm: 0.50%
Tensile Tangent Modulus (0-1%), MA 18068, 5 mm/min, 20 µm: 2400 MPa
Stress at Break, MA 18068, 50 mm/min, 20 µm: 116 MPa
Elongation at Break, MA 18068, 50 mm/min, 20 µm: 29%

Notes

Typical properties; not to be construed as specifications.