Moplen HP526J

Polypropylene, Homopolymer

Product Description

Moplen HP526J is a polypropylene homopolymer designed for the production of biaxially oriented polypropylene films (BOPP). The product is suitable for metallizable film, both as monolayer film and in coextruded structures. It contains a standard processing stabilisation but does not contain any slip, antiblocking agents and it is Calcium Stearate free.
Moplen HP526J offers good optical, excellent & highly consistent processing and very good film profile. Typical applications are BOPP packaging film and sheet for Solid Phase Thermoforming.

For regulatory information please refer to *Moplen* HP526J Product Stewardship Bulletin (PSB).

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, Africa-Middle East
Processing Methods	BOPP, Extrusion Thermoforming
Features	High Clarity, High Gloss , Homopolymer, Good Optical Properties, Good Processability
Typical Customer Applications	Barrier Film, BOPP, Food Packaging Film, Thermoformed Food Containers

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 Stress at Break (50 mm/min)	ISO 527-1, -2	23	N/mm²
Tensile Stress at Yield (50 mm/min)	ISO 527-1, -2	34	N/mm²
Tensile Strain at Break (50 mm/min)	ISO 527-1, -2	>500	%
Tensile Strain at Yield (50 mm/min)	ISO 527-1, -2	12	%
Flexural modulus	ISO 178	1450	N/mm²
Hardness			
Shore hardness	ISO 868	70	
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	85	°C
Vicat softening temperature A/50	ISO 306	154	°C

Additional Properties

Typical Film Properties of monolayer film produced on KARO IV equipment, a laboratory simultaneous film stretcher (7x7@150°C):
Haze, MA 17031, 50 µm: 0.3%
Gloss 45°, MA 17021: 91%
Tensile Tangent Modulus (0-1%), MA 18068, 5 mm/min, 20 µm: 3000 N/mm²
Stress at Break, ASTM D882, 50 mm/min, 20 µm: 260 MPa
Elongation at Break, ASTM D882, 50 mm/min, 20 µm: 85%
COF Dynamic, ASTM D1894-MTM17029E: 0.5

Notes

Typical properties; not to be construed as specifications.