

HP522J

Homopolymer

Description:

HP522J is a new homopolymer grade designed for the production of biaxially oriented polypropylene films (BOPP) primarily on high speed BOPP lines. This grade is characterised by its very broad processing window, easy film stretchability, good optical properties and reliable film thickness profile. HP522 is suitable for metallization, both as monolayer and in coextruded structures. It does not contain any slip or antiblocking agents and it is Calcium Stearate free. Typical applications are BOPP packaging films and Sheet for Solid Phase Thermoforming. HP522J is suitable for food contact.

Typical Applications

- BOPP packaging
- Food Packaging Film
- Thermoformed objects and containers

Features: High clarity, High gloss, Medium flow, Good Processability, Homopolymer

Suitable for: BOPP Film and Thermoforming

Product Specification

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16 kg)	3	g/10 min	ISO 1133
Density	0.9	g/cm ³	ISO 1183
Tensile Modulus (1 mm/min)	1370	MPa	ISO 527-1, -2
Tensile strength at Yield (50 mm/min)	33	MPa	ISO 527-1, -2
Tensile elongation at Break (50 mm/min)	550	%	ISO 527-1, -2
Tensile elongation at Yield (50 mm/min)	11	%	ISO 527-1, -2
Shore hardness (Shore D)	69	----	ISO 868
Vicat softening point A50	154	°C	ISO 306
H.D.T.B (0.45 MPa)	85	°C	ISO 75B-1, -2

* Typical values; not to be considered as product specification.