

HP520H

Homopolymer

Description:

HP520H is a homopolymer designed for the production of biaxially oriented polypropylene films through a very stable extrusion on stenter and double bubble lines with excellent thickness control, increased drawability and readiness to a two way orientation. HP520H contains a reinforced processing stabilization but does not contain any slip or antiblocking agents. BOPP films produced with this grade feature good mechanical properties, even at low temperatures, excellent barrier against moisture, odours, oils, fats and oxygen and high transparency, high gloss and good printability after corona treatment. Monolayer films made of HP520H are used for food packaging, textiles packaging, flower wrappings and adhesive tapes. HP520H is suitable for food contact.

Typical Applications

- Food packaging, textiles packaging and flower wrappings
- Adhesive tapes
- Lamination to other flexible films

Features: High impact strength and puncture resistance, Excellent barrier against moisture, odours, oils and oxygen, High transparency and gloss, Good printability

Suitable for: BOPP Film

Product Specification

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16 kg)	2	g/10 min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Flexural Modulus	1650	MPa	ASTM D790
Tensile Strength at Yield	35	MPa	ASTM D638
Tensile Elongation at Yield	12	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	60	J/m	ASTM D256
Rockwell Hardness	105	R Scale	ASTM D785
Vicat softening point (10 N)	154	°C	ASTM D1525
H.D.T. (0.46 MPa)	94	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	500	h	ASTM D3012
Haze (20 µm)	030	%	ASTM D1003

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