

HP421H

Homopolymer

Description:

HP421H is a modified homopolymer designed for the very high speed production of coextruded BOPP films. The product is used for the core of the coextruded film structure with a low seal temperature resin (terpolymers) in the outside layers. HP421H allows an outstanding extrusion stability and thickness variation control, especially on cascade lines, very high drawability and readiness to a two way orientation. The product contains a reinforced processing stabilization and a package of slip and antistatic agents but does not bear any antiblocking agents. BOPP films produced with HP421H 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.

Typical Applications

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

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)	2.1	g/10 min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Flexural Modulus	1550	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	102	R Scale	ASTM D785
Vicat softening point (10 N)	154	°C	ASTM D1525
H.D.T. (0.46 MPa)	92	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	500	h	ASTM D3012

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