

HP593H

Homopolymer

Description:

HP593H is a new generation polypropylene homopolymer designed for the production of biaxially oriented polypropylene films (BOPP) on high speed BOPP lines and is characterized by its very broad processing window, easy film stretchability, good optical properties and stable film thickness profile. HP593H is suitable for metallizable film, both as monolayer and in coextruded structures. HP593H is free of any slip, antiblock agents, Irgafos 168 and Calcium Stearate. Typical applications are BOPP packaging films. HP593H is suitable for food contact.

Typical Applications

- BOPP packaging
- Food packaging films

Features: High clarity, High gloss, Good optical properties

Suitable for: BOPP Film and Thermoforming

Product Specification

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16 kg)	2	g/10 min	ISO 1133
Density	0.9	g/cm ³	ISO 1183
Tensile Modulus (1 mm/min)	1500	MPa	ISO 527-1, -2
Tensile strength at Yield (50 mm/min)	34	MPa	ISO 527-1, -2
Tensile elongation at Break (50 mm/min)	410	%	ISO 527-1, -2
Tensile elongation at Yield (50 mm/min)	11	%	ISO 527-1, -2
Shore hardness (Shore D)	71	----	ISO 868
Vicat softening point A50	152	°C	ISO 306
H.D.T. B (0.45 MPa)	93	°C	ISO 75B-1, -2

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