

HP510M

Homopolymer

Description:

HP510M is a homopolymer particularly suited for the extrusion of cast and water quenched blown films. HP510M is formulated with a general purpose stabilization package and does not contain any slip or antiblocking agents. This grade exhibits excellent processability and outstanding optical properties. HP510M renders high gloss finish in laminates and exhibits good printability after Corona treatment.

Typical Applications

- Film for packaging food-stuffs such as pasta, snacks, biscuits, bakery products and confectionery
- Film for packaging of flowers, books, stationery, blankets, shirts, knitwear and hosiery
- Lamination with polyester, polyamide and aluminum for packaging of snacks, crisps, sweets, coffee, meat products and pre-cooked foods
- Small pipes and drinking straws
- Blow molded pigmented bottles
- Coextruded sheet

Features: Excellent processability, Good optical properties, Excellent gloss

Suitable for: Cast water quenched blown film, Water quenched blown film, Extrusion (Small pipes) Blow molding

Product Specification

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16 kg)	9	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	37	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)	95	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	h	ASTM D3012
Haze	1.2	%	ASTM D1003
Gloss	88	-----	ASTM D2457

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