

# HP515M

## Homopolymer

**Description:**

HP515M is a polypropylene homopolymer developed for the high speed extrusion of transparent cast and blown films. It is formulated with slip and antiblocking agents. HP515M is suitable for the extrusion of low thickness films and can be used for films from 15 up to 150  $\mu\text{m}$ . In comparison with standard polypropylene types for film production, HP515M allows for faster processing due to its peculiar structure and composition. Films made with HP515M show a good behavior on winding rolls and in cutting section and feature very high transparency, high gloss and good printability after corona treatment.

**Typical Applications**

- Shopping bags
- Packaging for snacks, bakery products, books, blankets, hosiery and shirts
- Stationery folders
- Twines and ropes

**Features:** Excellent processability, High transparency and gloss, Antiblock properties

**Suitable for:** Cast film and Blown film

**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 <sup>3</sup>	ASTM D1505
Flexural Modulus	1300	MPa	ASTM D790
Tensile Strength at Yield	32	MPa	ASTM D638
Tensile Elongation at Yield	12	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	40	J/m	ASTM D256
Rockwell Hardness	95	R Scale	ASTM D785
Vicat softening point (10 N)	150	°C	ASTM D1525
H.D.T. (0.46 MPa)	92	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	h	ASTM D3012
Haze	1.2	%	ASTM D1003
Gloss	86	--	ASTM D2457

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