

Product Description

Prolen HP 525 M is a polypropylene homopolymer suitable for high speed extrusion of tubular water quenched (TWQ) film.

Prolen HP 525 M is formulated with an effective slip and antiblocking package and provides films with an outstanding optical properties.

Films made with *Prolen HP 525 M* show a good behaviour on the winding rolls and in the cutting section, besides good printability after corona treatment.

Typical Application

- Packaging of food-stuffs such as snacks, biscuits, pasta and bakery products.
- Packaging for books, stationery, blankets, hosiery, shirts, knitwear, ecc.

Properties	Typical Values	Unit	Test Method
Physical			
MELT FLOW RATE 230°C/2,16 kg	8,0	g/10min	ASTM D-1238
DENSITY 23°C	0,905	g/cm ³	ASTM D-792
Mechanical			
TENSILE STRENGTH @ YIELD	34	MPa	ASTM D-638
TENSILE STRAIN @ YIELD	11	%	ASTM D-638
TENSILE STRAIN @ BREAK mín	50	%	ASTM D-638
FLEXURAL MODULUS	1300	MPa	ASTM D-790
HARDNESS SHORE D 1s	71	-	ASTM D-2240
Impact			
NOTCHED IZOD IMPACT STRENGTH @23°C	35	J/m	ASTM D-256
Thermal			
VICAT SOFTENING POINT 1 kg	150	°C	ASTM D-1525
H.D.T. 0,455 MPa	95	°C	ASTM D-648
Optical			
GLOSS 45° film	92	%	ASTM D-2457
HAZE film	1,5	%	ASTM D-1003

Notes

- Values above report the data obtained in our labs., according to the test method mentioned and conditions established by standard specification ASTM D-4101.
- The values shown are averages and are not to be considered as product specifications. These values may shift slightly as additional data are accumulated.
- For other applications, Polibrasil supplies resins designed to reach specific properties demanded by market.
- *Prolen HP 525 M* is suitable for food applications, in accordance to *Food and Drug Administration (FDA)* requirements.
- Packaging features: 25 kg bag, big-bag or in bulk.

Attention: The information contained in this data sheet, as well as any suggestions and recommendations concerning our products, are based on our current knowledge and cannot be taken as guarantee by Polibrasil Resinas S.A., since the conditions of use are beyond our control. We recommend for each application to conduct appropriate tests, as Polibrasil Resinas S.A. cannot accept liability, including infringement of patent rights.

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