



Product: PolyPropylene

Grade: Homopolymer, Raffia, BOPP Film, Sheet, Fiber

Trade Name: HP510L

Typical Applications

HP510L can be used for producing woven bags, flexible intermediate bulk containers, ropes & twines, carpet backing, geotextiles and concrete reinforcements.





Asia Petrochemicals LLC

TDS FOR HP510L

PRODUCT DESCRIPTION

HP510L is a polypropylene homopolymer with good flow properties and is particularly suitable for the extrusion of film yarn, monofilament, cast film and sheet. HP510L combines outstanding processability with good mechanical properties. Film yarn of HP510L is used for baler twins, packaging twins and ropes. HP510L is well suited for the production of monofilament used for instance in brush and broom filling and technical applications.

Processing Method:

- . Cast Film
- . Film Extrusion
- . Filament Extrusion
- . Sheet Extrusion

Packing: 25 Kg plastic bag

PROPERTY	TYPICAL VALUE*	UNIT	TEST METHOD
<u>Physical</u>			
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.5	g/10 min	ASTM D1238
<u>Mechanical</u>			
Flexural Modulus	1500	MPa	ASTM D790
Tensile Strength at Yield	35.0	MPa	ASTM D638
Tensile Elongation at Yield	12	%	ASTM D638
<u>Impact</u>			
Notched Izod Impact (23°C)	40	J/M	ASTM D256
<u>Hardness</u>			
Rockwell Hardness (R-Scale)	100		ASTM D785
<u>Thermal</u>			
Deflection Temperature Under Load 0.45 MPa, Unannealed	94.0	°C	ASTM D648
Vicat Softening Temperature	154	°C	
Accelerated Oven Ageing (150°C)	360	hr	ASTM D3012

For further information please visit <http://www.asia-petrochem.com> or send an enquiry to info@asia-petrochem.com

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