



Product: PolyPropylene  
Grade: Homopolymer, Raffia  
Trade Name: HP500J

## Typical Applications

HP500J can be used for producing woven bags, flexible intermediate bulk containers, ropes & twines, carpet backing, geotextiles and concrete reinforcements.





Asia Petrochemicals LLC

## TDS FOR HP500J

### PRODUCT DESCRIPTION

HP500J is specially developed for producing stretched tapes with following features.

- Consistent processability
- Easy orientation
- Low water carry over
- Good mechanical properties.

#### Process conditions:

Barrel temperature range: 235 - 250°C

**Packing:** 25 Kg plastic bag

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
<b><u>Physical</u></b>			
Melt Flow Rate (230 °C, 2.16kg)	ASTM D1238	g/10min	3.2
Density	ASTM D1505	g/cm <sup>3</sup>	0.9
<b><u>Mechanical</u></b>			
Flexural Modulus	ASTM D790	MPa	1550
Tensile Strength at Yield	ASTM D638	MPa	35
Tensile Elongation at Yield	ASTM D638	%	12
Izod Impact Strength (notched) at 23 °C	ASTM D256	J/m	55
Rockwell Hardness	ASTM D785	R Scale	102
<b><u>Thermal</u></b>			
Vicat softening point (10N)	ASTM D1525	°C	156
H.D.T. (0.46 Mpa)	ASTM D648	°C	94
Accelerated oven ageing in air at 150 °C	ASTM D3012	hours	360

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

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