



# PP 506P (Provisional Data Sheet)

PP Homopolymer for Raffia applications

## Product Description

PP 506P is intended for producing low denier stretched tapes with following features.

- Consistent processability
- Good processability at high line speeds and low deniers
- Low tapes shrinkage
- Low water carry over
- Very good mechanical properties

## Typical Applications

PP 506P can be used for producing carpet backing, woven bags, cable fillers, geotextiles and concrete reinforcements.

## Typical data

Properties	Unit	Value <sup>(1)</sup>	ASTM Method
<b>Resin Properties</b>			
Melt Flow Rate @ 230°C & 2.16 kg load	g/10 min.	4.8	D 1238
Density @ 23°C	kg/m <sup>3</sup>	905	D 792
<b>Mechanical Properties <sup>(2)</sup></b>			
Tensile Strength @ Yield	MPa	35	D 638
Tensile Elongation @ Yield	%	12	D 638
Flexural Modulus (1% Secant)	MPa	1500	D 790A
Notched Izod Impact Strength @ 23°C	J/m	32	D 256
Rockwell Hardness, R-Scale	-	100	D 785
<b>Thermal Properties <sup>(2)</sup></b>			
Vicat Softening Point	°C	155	D 1525B
Heat Deflection Temperature @ 455 KPa	°C	100	D 648

(1) Typical values; not to be construed as specification limits.

(2) Based on injection molded specimens.

## Processing Conditions

Barrel temperature range: 235 - 250°C

Melt temperature: 250-260 °C

## Storage and Handling

PP resin should be stored to prevent a direct exposure to sunlight and/or heat. The storage area should also be dry and preferably don't exceed 50°C. SABIC would not give warranty to bad storage conditions which may lead to quality deterioration such as color change, bad smell and inadequate product performance. It is advisable to process PP resin within 6 months after delivery.

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