



# PP 500P

PP Homopolymer for Raffia applications

## Product Description

PP 500P is specially developed for producing stretched tapes with following features.

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

## Typical Applications

PP 500P can be used for producing woven bags, flexible intermediate bulk containers, ropes & twines, carpet backing, 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.	3	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	%	10	D 638
Flexural Modulus (1% Secant)	MPa	1500	D 790A
Notched Izod Impact Strength @ 23°C	J/m	25	D 256
Rockwell Hardness, R-Scale	-	102	D 785
<b>Thermal Properties <sup>(2)</sup></b>			
Vicat Softening Point	°C	152	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

## Food Regulation

PP 500P is suitable for Food contact application. Detailed information is provided in relevant Material Safety Datasheet and for additional specific information please contact SABIC local representative for certificate.

## **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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Saudi Basic Industries Corporation, P.O.Box 5101, Riyadh 11422, Kingdom of Saudi Arabia  
Tel: 966 1 2258000  
Fax: 966 1 2259000

Technical Marketing  
Tel: 966 1 2659166  
Fax: 966 1 2653544  
Toll-free 800 1245577

PP Sales:  
Fax: 966 1 2258771  
Website: [www.sabic.com](http://www.sabic.com)

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