

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 ⁽¹⁾	ASTM Method
Resin Properties			
Melt Flow Rate @ 230°C & 2.16 kg load	g/10 min.	3	D 1238
Density @ 23°C	kg/m ³	905	D 792
Mechanical Properties ⁽²⁾			
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
Thermal Properties ⁽²⁾			
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.