



Producer: Saudi Basic Industries Corporation (Sabic) /Saudi Arabia

PP 500P

Description:

PP Homopolymer for Raffia applications

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.

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 should not 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.

Storage and Handling:

preferably don't exceed 50°C.