



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

PP 502P

Description:

PP Homopolymer for Raffia applications

PP 502P is intended for producing low denier stretched tapes with following features.

Films produced using PP 521P will exhibit:

- Consistent processability
- speeds
- Low water carry over
- Good mechanical properties

Typical Applications:

PP 502P can be used for producing woven bags, carpet backing and concrete reinforcements.

PROPERTIES	UNIT	VALUE ⁽¹⁾	ASTM METHOD
Resin Properties			
Melt Flow Rate @ 230°C & 2.16 kg load	g/10 min.	4.8	D 1238
Density @ 23°C	kg/m ³	905	D 792
Mechanical Properties ⁽²⁾			
Tensile Strength @ Yield	Mpa	33	D 638
Tensile Elongation @ Yield	%	12	D 638
Flexural Modulus (1% Secant)	Mpa	1450	D 790A
Notched Izod Impact Strength @ 23°C	J/m	32	D 256
Rockwell Hardness, R-Scale	-	102	D 785
Thermal Properties ⁽²⁾			
Vicat Softening Point	°C	155	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 502P is suitable for Food contact application.

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.