



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

PP 521P

Description:

PP Homopolymer for Bi-axially oriented film

PP 521P is a non formulated grade, specially developed for bi-axially oriented PP (BOPP) film extrusion with a very specific

Films produced using PP 521P will exhibit:

- Consistent processability
- Excellent optical properties
- High tensile properties
- Low residual ash
- Film produced can be metalized

Typical Applications:

PP 521P can be used as core layer in co-extruded film and/or as base material for plain films used for stationary, dry food bags, synthetic paper and heat sealable packaging films.

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	35	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	96	D 648

⁽¹⁾ - Typical values should not be construed as specification limits.

⁽²⁾ - Based on injection molded specimens.

Processing Conditions:

Average extrusion temperature range may be kept at 245 - 255°C

Food Regulation:

PP 521P 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.