

## SABIC PP 521P Polypropylene Homopolymer for Bi-axially Oriented Film

Category : Polymer , Film , Thermoplastic , Polypropylene (PP) , Polypropylene, Film Grade

### Material Notes:

**Product Description:** PP 521P is a non formulated grade, specially developed for bi-axially oriented PP (BOPP) film extrusion with a very specific molecular structure providing ultimate properties required for the stenter film process. 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. Information provided by SABIC.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-PP-521P-Polypropylene-Homopolymer-for-Bi-axially-Oriented-Film.php](http://www.lookpolymers.com/polymer_SABIC-PP-521P-Polypropylene-Homopolymer-for-Bi-axially-Oriented-Film.php)

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in <sup>3</sup>	ASTM D792
Melt Flow	3.0 g/10 min	3.0 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	102	102	ASTM D785
Tensile Strength, Yield	35.0 MPa	5080 psi	ASTM D638
Elongation at Yield	10 %	10 %	ASTM D638
Flexural Modulus, 1% Secant	1500 MPa	218000 psi	ASTM D790A
Izod Impact, Notched	0.350 J/cm	0.656 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	96.0 °C	205 °F	ASTM D648
Vicat Softening Point	155 °C	311 °F	ASTM D1525B

Processing Properties	Metric	English	Comments
Processing Temperature	245 - 255 °C	473 - 491 °F	Barrel Temperature

## Contact Songhan Plastic Technology Co.,Ltd.

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