

SABIC® PP 524P

Polypropylene Homopolymer
Saudi Basic Industries Corporation (SABIC)

Message:

PP Homopolymer for Bi-axially oriented film
PP 524P 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 524P will exhibit:
Consistent processability
Excellent optical properties
High tensile properties
Low residual ash
Film produced can be metalized
Typical Applications
PP 524P 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.

General Information	
Features	Electroplating Optical Homopolymer Workability, good Compliance of Food Exposure
Uses	Bi-axially Oriented Film Packaging Films Bags
Forms	Particle
Processing Method	Bi-axially Oriented Film Film extrusion Co-extrusion molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	0.905	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	102		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	35.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	10	%	ASTM D638

Flexural Modulus - 1% Secant (Injection Molded)	1550	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	35	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	96.0	°C	ASTM D648
Vicat Softening Temperature	155	°C	ASTM D1525 ²
Extrusion	Nominal Value	Unit	
Melt Temperature	245 - 255	°C	
NOTE			
1.	23°C		
2.	标准 B (120°C/h)		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

