

SABIC® PP 521P

Polypropylene Homopolymer

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® PP 521P is particularly designed for (biaxially) oriented PP film extrusion with a very specific molecular structure providing the ultimate properties required for the stretching process.

SABIC® PP 521P is typically used in mono layer or coextruded (B)OPP film. SABIC® PP 521P is known for its excellent Metallisation behaviour.

The product mentioned herein is in particular not tested and therefore not validated for use in pharmaceutical/medical applications.

General Information			
UL YellowCard	E111275-306884		
Features	Homopolymer		
	Medium Isotactic		
	Metallizable		
	Wide Molecular Weight Distribution		
Uses	Bi-axially Oriented Film		
	Film		
Forms	Pellets		
Processing Method	Coextruded Film		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.905	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
1% Secant ¹	1550	MPa	ASTM D638
--	1550	MPa	ISO 527-2/1A/1
Tensile Strength			
Yield ²	35.0	MPa	ASTM D638
Yield	36.0	MPa	ISO 527-2/1A/50
Tensile Elongation			
Yield ³	10	%	ASTM D638
Yield	10	%	ISO 527-2/1A/50
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	152	°C	ASTM D1525, ISO 306/A120 5 ⁴

--	88.0	°C	ASTM D1525, ISO 306/B120 6 ⁵
NOTE			
1.	1.0 mm/min		
2.	50 mm/min		
3.	50 mm/min		
4.	Rate B (120°C/h), Loading 1 (10 N)		
5.	Rate B (120°C/h), Loading 2 (50 N)		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

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

