

# SABIC® PP 520P

Polypropylene Homopolymer  
Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® PP 520P is particularly designed for extrusion of cast film, both mono layer films and co extruded films. It provides an excellent combination of transparency, stiffness and high heat resistance. SABIC® PP 522L is the anti block and slip agent containing version of SABIC® PP 520P. SABIC® PP 520P is typically used for food packaging, lamination film, stationary film, textile packaging, flower packaging, and hygiene packaging. It offers excellent properties for twist film application. 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	Food Contact Acceptable		
	High Clarity		
	High Heat Resistance		
	High Stiffness		
	Homopolymer		
	Med.-Wide Molecular Weight Distrib.		
	Medium Isotactic		
Uses	Cast Film		
	Film		
	Food Packaging		
	Laminates		
	Packaging		
	Stationary Supplies		
UL File Number	E111275		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Cast Film		
	Coextrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.905	g/cm <sup>3</sup>	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
1% Secant <sup>1</sup>	1800	MPa	ASTM D638
--	1700	MPa	ISO 527-2/1A/1
Tensile Strength			

Yield <sup>2</sup>	36.0	MPa	ASTM D638
Yield	36.0	MPa	ISO 527-2/1A/50
Tensile Elongation			
Yield <sup>3</sup>	9.0	%	ASTM D638
Yield	9.0	%	ISO 527-2/1A/50
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	154	°C	ASTM D1525, ISO 306/A120 5 <sup>4</sup>
--	95.0	°C	ASTM D1525, ISO 306/B120 6 <sup>5</sup>
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)		

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