

SABIC® PP 622L

Polypropylene Random Copolymer

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® PP 622L is a polypropylene random copolymer resin specifically designed for cast film applications. Products produced out of SABIC® PP 622L have a high clarity, excellent sealing performance and high puncture resistance. The molecular structure of this grade is tailored for high performance processing. SABIC® PP 622L contains anti-block and slip agent for low coefficient of friction. A grade without anti-block and slip agent is available as SABIC® PP 621P.

Applications:

SABIC PP 622L is typically used in applications like food packaging, lamination film, stationary film, textile packaging, flower packaging, and hygiene packaging.

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

General Information			
Additive	Antiblock		
	Slip		
Features	Antiblocking		
	Good Heat Seal		
	Good Processability		
	High Clarity		
	Low Friction		
	Narrow Molecular Weight Distribution		
	Puncture Resistant		
	Random Copolymer		
	Slip		
Uses	Cast Film		
	Film		
	Food Packaging		
	Laminates		
	Packaging		
	Stationary Supplies		
Processing Method	Cast Film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.905	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR)			
230°C/5.0 kg	8.0	g/10 min	ASTM D1238
230°C/2.16 kg	8.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			

1% Secant ¹	900	MPa	ASTM D638
--	800	MPa	ISO 527-2/1A/1
Tensile Strength			
Yield ²	26.0	MPa	ASTM D638
Yield	25.0	MPa	ISO 527-2/1A/50
Tensile Elongation			
Yield ³	14	%	ASTM D638
Yield	13	%	ISO 527-2/1A/50
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	128	°C	ASTM D1525, ISO 306/A120 4 ⁴
--	63.0	°C	ASTM D1525, ISO 306/B120 5 ⁵
Optical	Nominal Value	Unit	Test Method
Haze (25.0 μm)	< 2.0	%	ASTM D1003
NOTE			
1.	5.0 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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