SABIC® PP 524P

Polypropylene Homopolymer

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC®PP 524P is particularly developed for (biaxially) oriented PP film extrusion with a very specific molecular structure providing the ultimate properties required for the stretching process.
SABIC® PP 524P is typically used in mono layer or coextruded (B)OPP film. SABIC® PP 524P is known for its excellent metallisation behaviour.
SABIC® PP 524P is a low mfi material typically used in extrusion applications like sheet and thermoforming.
SABIC® PP 524P is typically used in dairy, flower pots, yellow fats and disposables plates and cups. However, customers use this grade also in combination with fillers like Talc and CaCO3.
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 Cups Disposable Drinkware Film Sheet Thermoforming Applications
UL File Number	E111275
Forms	Pellets
Processing Method	Bi-axially Oriented Film Coextrusion Extrusion Sheet Extrusion Thermoforming

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.905	g/cm³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238, ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			
1% Secant [1]	1500	MPa	ASTM D638
--	1500	MPa	ISO 527-2/1A/1

Tensile Strength			
Yield [2]	36.0	MPa	ASTM D638
Yield	37.0	MPa	ISO 527-2/1A/50
Tensile Elongation			
Yield [3]	10	%	ASTM D638
Yield	10	%	ISO 527-2/1A/50
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	4.5	kJ/m^2	ISO 179/1eA
Notched Izod Impact			
23°C	40	J/m	ASTM D256A
23°C	3.5	kJ/m^2	ISO 180/1A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			
0.45 MPa, Unannealed	90.0	°C	ASTM D648
0.45 MPa, Unannealed [4]	85.0	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	60.0	°C	ASTM D648
1.8 MPa, Unannealed [5]	55.0	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	152	°C	ASTM D1525, ISO 306/A120 6 [6]
--	88.0	°C	ASTM D1525, ISO 306/B120 7 [7]

NOTE	
1.	1.0 mm/min
2.	50 mm/min
3.	50 mm/min
4.	testbar 80*10*4mm
5.	testbar 80*10*4mm
6.	Rate B (120°C/h), Loading 1 (10 N)
7.	Rate B (120°C/h), Loading 2 (50 N)

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


WECHAT