

SABIC® PP 526K

Polypropylene Homopolymer
Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® PP 526K is a grade developed for efficient thermoforming. SABIC® PP 526K is formulated with a combined processing, antistatic and nucleator package of the next generation. The nucleator technology provides higher stiffness and good transparency/gloss in the thermoformed part. The fact that the polymer/additive package gives higher isotropic processing behaviour reduces warpage, ovality and other dimensional problems.

Application:

SABIC® PP 526K is typically used for various thermoformed parts sensitive to dimensional stability. Customers use this grade as natural or coloured, ranging from food containers to disposables, yellow fats and lids.
This product is not intended for and must not be used in any pharmaceutical/medical applications.

General Information			
UL YellowCard	E111275-306884		
Additive	Antistatic		
	Nucleating Agent		
	Processing Aid		
Features	Antistatic		
	Good Dimensional Stability		
	Good Processability		
	High Isotactic		
	Homopolymer		
	Medium Clarity		
	Medium Gloss		
	Nucleated		
Uses	Food Containers		
	Lids		
	Thermoforming Applications		
Appearance	Natural Color		
	Unspecified Color		
Forms	Pellets		
Processing Method	Thermoforming		
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	2150	MPa	ASTM D638
--	2050	MPa	ISO 527-2/1A/1
Tensile Strength			
Yield ²	40.0	MPa	ASTM D638
Yield	40.0	MPa	ISO 527-2/1A/50
Tensile Elongation			
Yield ³	7.0	%	ASTM D638
Yield	6.0	%	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	35	J/m	ASTM D256A
23°C	3.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	120	°C	ASTM D648
0.45 MPa, Unannealed ⁴	115	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	70.0	°C	ASTM D648
1.8 MPa, Unannealed ⁵	65.0	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	155	°C	ASTM D1525, ISO 306/A120 ⁶
--	100	°C	ASTM D1525, ISO 306/B120 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)		

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



WECHAT