



# SABIC<sup>®</sup> PP 527K

PP HOMOPOLYMER

## DESCRIPTION

SABIC<sup>®</sup> PP 527K is a leading grade typically used for products in thermoforming. Tailoring of the polymer architecture combined with effective nucleation resulted in a good balance of very high stiffness combined with excellent transparency. Its high crystallisation temperature is ideally suited for further line speed improvements. Moreover it is formulated with a combined processing and antistatic additive package.

Application:

SABIC<sup>®</sup> PP 527K is typically used in packaging for Fruit, Vegetables, Meat, Fish, Poultry and Ambient Food packaging.

Health, Safety and Food Contact regulations:

Material Safety Data Sheets (MSDS) and Product Safety declarations are available on our Internet site <http://www.sabic.com>.

This product is not intended for and must not be used in any pharmaceutical/medical applications.

IMDS 7172624

## TYPICAL PROPERTY VALUES

Revision 20181012

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate</b>			
at 230 °C and 2.16 kg	3.0	dg/min	ISO 1133
<b>Density</b>	905	kg/m <sup>3</sup>	ASTM D1505
<b>Molecular Weight Distribution</b>	Broad	-	-
<b>Isotacticity</b>	High	-	-
<b>FORMULATION</b>			
<b>Anti static agent</b>	☑	-	-
<b>Nucleating agent</b>	☑	-	-
<b>MECHANICAL PROPERTIES</b>			
<b>Tensile test</b>			
strain at yield <sup>(1)</sup>	6	%	ISO 527-2 1A
stress at yield	40	MPa	ISO 527-2 1A
tensile modulus <sup>(2)</sup>	2200	MPa	ISO 527-2 1A
<b>Izod impact notched</b>			
at 23 °C	3.0	kJ/m <sup>2</sup>	ISO 180/1A
<b>Charpy Impact Strength Notched</b>			
at 23 °C	4.5	kJ/m <sup>2</sup>	ISO 179/1eA
<b>THERMAL PROPERTIES</b>			
<b>Heat deflection temperature <sup>(3)</sup></b>			
at 0.45 MPa (HDT/B)	115	°C	ISO 75
at 1.80 MPa (HDT/A)	65	°C	ISO 75
<b>Vicat Softening Temperature <sup>(4)</sup></b>			
at 50 N (VST/B)	100	°C	ISO 306
at 10 N (VST/A)	155	°C	ISO 306



- (1) Speed of testing: 50 mm/min
- (2) Speed of testing: 1 mm/min
- (3) Flat wise ( testbar 80\*10\*4mm)
- (4) Temperature rate: 120°C/h

## QUALITY

SABIC Europe is fully certified in accordance with the internationally accepted quality standard ISO9001.

## DISCLAIMER

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