SABIC® PP 527K

PP homopolymer for Thermoforming

Description:
SABIC® 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® 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/europe/en/products-services/

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

IMDS 7172624

Typical values Revision 20150303

Properties		Unit (Si)	Values	Test methods
Polymer properties				
Melt flow rate (MFR)				ASTM D 1238
at 230 °C and 2.16 kg		g/10 min	**3.0**	
Density		kg/m³	**905**	ASTM D 792
Molecular Weight Distribution		-	**Broad**	-
Isotacticity		-	**High**	-
Formulation				
Anti static agent		-	**Yes**	-
Nucleating agent		-	**Yes**	-
Mechanical properties				
Tensile test				ASTM D 638
stress at yield	1)	MPa	**40**	
strain at yield	1)	%	**6**	
secant modulus at 1% elongation	2)	MPa	**2300**	
Izod impact notched				ASTM D 256A
at 23 °C		J/m	**30**	
Thermal properties				
Heat deflection temperature				ASTM D 648
at 1.80 MPa (HDT/A)		°C	**70**	
at 0.45 MPa (HDT/B)		°C	**120**	
Vicat softening temperature	3)			ASTM D 1525
at 10 N (VST/A)		°C	**155**	
at 50 N (VST/B)		°C	**100**	

1) Speed of testing: 50 mm/min
2) Speed of testing: 1 mm/min
3) Temperature rate: 120°C/h

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

Storage and handling:
Avoid prolonged storage in open sunlight, high temperatures (<50 °C) and /or high humidity as this could well speed up alteration and consequently loss of quality of the material and /or its packaging. Keep material completely dry for good processing.

Disclaimer. The information contained herein may include typical properties of our products or their typical performances when used in certain typical applications. Actual properties of our products, in particular when used in conjunction with any third party material(s) or for any non-typical applications, may differ from typical properties.

It is the customer's responsibility to inspect and test our product(s) in order to satisfy itself as to the suitability of the product(s) for its and its customers particular purposes. The customer is responsible for the appropriate, safe and legal use, processing and handling of all product(s) purchased from us.

Nothing herein is intended to be nor shall it constitute a warranty whatsoever, in particular, warranty of merchantability or fitness for a particular purpose.

SABIC as referred to herein means any legal entity belonging to the group of companies headed by SABIC Europe B.V.