



## PP 528K (Provisional Data sheet)

PP Homopolymer for Thermoforming

### Product Description

PP 528K is formulated with an advanced nucleating additive and was specially developed for in-line and off-line thermoforming applications. PP528K encompasses the following features:

- High stiffness
- Good clarity
- Very good dimensional stability
- Easy processability and faster cycling

### Typical Applications

PP 528K is used for the production of various containers mainly for food and health drink products such as cups, trays and lids.

### Typical data

Properties	Unit	Value <sup>(1)</sup>	ASTM Method
<b>Resin Properties</b>			
Melt Flow Rate @ 230°C & 2.16 kg load	g/10 min.	3	D 1238
Density @ 23°C	kg/m <sup>3</sup>	905	D 792
<b>Mechanical Properties <sup>(2)</sup></b>			
Tensile Strength @ Yield	MPa	45	D 638
Tensile Elongation @ Yield	%	10	D 638
Flexural Modulus (1% Secant)	MPa	1850	D 790A
Notched Izod Impact Strength @ 23°C	J/m	35	D 256
Rockwell Hardness, R-Scale	-	102	D 785
<b>Thermal Properties <sup>(2)</sup></b>			
Vicat Softening Point	°C	150	D 1525B
Heat Deflection Temperature @ 455 KPa	°C	120	D 648

(1) Typical values; not to be construed as specification limits.

(2) Based on injection molded specimens.

### Food Regulation

PP 528K is suitable for Food contact application. Detailed information is provided in relevant Material Safety Datasheet and for additional specific information please contact SABIC local representative for certificate.

### Storage and Handling

PP resin should be stored to prevent a direct exposure to sunlight and/or heat. The storage area should also be dry and preferably don't exceed 50°C. SABIC would not give warranty to bad storage conditions which may lead to quality deterioration such as color change, bad smell and inadequate product performance. It is advisable to process PP resin within 6 months after delivery.

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