



# SABIC<sup>®</sup> PP 522K

POLYPROPYLENE HOMOPOLYMER FOR THERMOFORMING

## DESCRIPTION

SABIC<sup>®</sup> PP 522K is formulated with an advanced nucleating agent and is specially developed for in-line and off-line thermoforming applications. SABIC<sup>®</sup> PP 522K encompasses the following features: High stiffness; Very good clarity and aesthetics; Very good dimensional stability; Easy processability and faster cycling

## TYPICAL APPLICATIONS

SABIC<sup>®</sup> PP 522K is used for the production of containers mainly for food and health drink products such as containers cups, trays and lids.

## TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate</b>			
at 230 °C and 2.16kg	3	g/10 min	ASTM D1238
<b>Density</b>			
at 23°C	905	kg/m <sup>3</sup>	ASTM D792
<b>MECHANICAL PROPERTIES <sup>(1)</sup></b>			
<b>Tensile Properties</b>			
Strength @ Yield	37	MPa	ASTM D 638
Elongation @ Yield	10	%	ASTM D638
<b>Flexural Modulus (1% Secant)</b>	1700	MPa	ASTM D790 A
<b>Izod Impact Strength</b>			
notched, at 23°C	40	J/m	ASTM D256
<b>Rockwell Hardness, R-Scale</b>	110	-	ASTM D785
<b>THERMAL PROPERTIES</b>			
<b>Vicat Softening Temperature</b>	150	°C	ASTM D1525
<b>Heat deflection temperature</b>			
at 455kPa	114	°C	ASTM D648

(1) Based on injection molded specimens