

SABIC® PP 522K

POLYPROPYLENE HOMOPOLYMER FOR THERMOFORMING

DESCRIPTION

SABIC® PP 522K is formulated with an advanced nucleating agent and is specially developed for in-line and off-line thermoforming applications. SABIC® 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® 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

Revision 20220720

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES ⁽¹⁾			
Melt Flow Rate (MFR)			
at 230 °C and 2.16kg	3	g/10 min	ASTM D1238
Density			
at 23°C	905	kg/m ³	ASTM D792
MECHANICAL PROPERTIES ⁽²⁾			
Tensile Properties			
Strength @ Yield	37	MPa	ASTM D638
Elongation @ Yield	10	%	ASTM D638
Flexural Modulus (1% Secant)	1700	MPa	ASTM D790 A
Izod Impact Strength			
notched, at 23°C	40	J/m	ASTM D256
Rockwell Hardness, R-Scale	110	-	ASTM D785
THERMAL PROPERTIES			
Vicat Softening Temperature	150	°C	ASTM D1525
Heat deflection temperature			
at 455kPa	114	°C	ASTM D648

(1) Typical values, not to be construed as specific limits

(2) Based on injection molded specimens

STORAGE AND HANDLING

Polypropylene resin should be stored in a manner to prevent a direct exposure to sunlight and/or heat. The storage area should also be dry and preferably do not 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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