



SABIC[®] PP 5271K

POLYPROPYLENE HOMOPOLYMER FOR SHEET & THERMOFORMING

DESCRIPTION

SABIC[®] PP5271K is a high crystallinity polypropylene homopolymer grade specifically developed for in-line and off-line thermoforming applications. SABIC[®] PP 5271K encompasses the following features: very high stiffness, very good clarity, very high heat distortion temperature, very good dimensional stability, good processability and fast molding cycle.

TYPICAL APPLICATIONS

SABIC[®] PP5271K is suitable for the production of high transparency cups, trays, lids and various containers with high stiffness.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES ⁽¹⁾			
Melt flow rate (MFR)			
@ 230°C & 2.16 kg load	3	g/10 min	ASTM D 1238
Density			
@ 23°C	905	kg/m ³	ASTM D 792
MECHANICAL PROPERTIES ⁽²⁾			
Tensile Strength at Yield	38	MPa	ASTM D638
Tensile Elongation at Yield	8	%	ASTM D638
Flexural Modulus (1% Secant)	2000	MPa	ASTM D790 A
Notched Izod Impact Strength at 23°C	30	J/m	ASTM D256
Rockwell Hardness, R-Scale	103	-	ASTM D785
OPTICAL PROPERTIES			
Haze, 1 mm	17	%	ASTM D 1003
THERMAL PROPERTIES			
Vicat Softening Point	155	°C	ASTM D1525
Heat Deflection Temperature at 455kPa	120	°C	ASTM D648

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

(2) Based on injection molded specimens

HEALTH, SAFETY AND FOOD CONTACT REGULATIONS

SABIC[®] PP5271K is suitable for food contact application. Detailed information is provided in relevant documents / certificates and for additional specific information please contact SABIC local representative.

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