

# SABIC® PP QR6701KX

POLYPROPYLENE RANDOM COPOLYMER FOR INJECTION MOLDING (PROVISIONAL)

## DESCRIPTION

SABIC® PP QR6701KX is a PP random grade formulated with advanced clarifier and anti-static agents. It is suitable for producing injection-molded applications with excellent clarity, good dimensional stability and excellent organoleptic properties. SABIC® PP QR6701KX has the following features:

- Excellent clarity
- Good impact stiffness balance
- Clean product in combination of low / no odor & taste

## TYPICAL APPLICATIONS

SABIC® QR6701KX may be used for containers & boxes, housewares, caps & closures, lids & ISBM bottles.

## TYPICAL PROPERTY VALUES

Revision 20180530

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt flow rate (MFR) <sup>(1)</sup></b>			
@ 230°C & 2.16kg load	10	g/10 min	ASTM D 1238
<b>Density <sup>(1)</sup></b>			
at 23°C	905	kg/m <sup>3</sup>	ASTM D 792
<b>MECHANICAL PROPERTIES <sup>(2)</sup></b>			
<b>Tensile Properties</b>			
Strength @ Yield	29	MPa	ASTM D 638
Elongation @ Yield	13	%	ASTM D 638
<b>Flexural Modulus (1% Secant)</b>	1150	MPa	ASTM D790 A
<b>Notched Izod Impact Strength at 23°C</b>	65	J/m	ASTM D256
<b>Rockwell Hardness, R-Scale</b>	94	-	ASTM D785
<b>THERMAL PROPERTIES</b>			
<b>Vicat Softening Point</b>	130	°C	ASTM D1525
<b>Heat Deflection Temperature at 455kPa</b>	85	°C	ASTM D648

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

(2) Based on injection molded specimens



## PROCESSING CONDITIONS

Barrel temperature range: 185 - 225°C Mold Shrinkage: 1.2 - 2.0% depending on wall thickness and processing conditions.  
Mold Temperature: Normally in the range of 25 - 40°C

## HEALTH, SAFETY AND FOOD CONTACT REGULATIONS

SABIC® PP QR6701KX 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.

## 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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