

# SABIC® PP QR6701K

## POLYPROPYLENE RANDOM COPOLYMER

### DESCRIPTION

SABIC® PP QR6701K is specially developed for producing injection molded & ISBM articles with very high clarity at low processing temperatures. This grade contains advanced clarifier and anti-static agent. SABIC® PP QR6701K has the following features: Consistent processability; Good stiffness; Excellent clarity; Lower energy consumption and less cycle time due to low processing temperatures.

### TYPICAL APPLICATIONS

SABIC® PP QR6701K can be used for clear housewares & packaging items, appliances, caps & closures, lids and bottles (ISBM).

### TYPICAL PROPERTY VALUES

Revision 20170706

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate</b>			
at 230°C and 2.16kg	10	g/10 min	ASTM D1238
<b>Density</b>			
at 23°C	905	kg/m <sup>3</sup>	ASTM D792
<b>MECHANICAL PROPERTIES</b>			
<b>Flexural Modulus (1% Secant) <sup>(1)</sup></b>			
	1050	MPa	ASTM D790 A
<b>Izod Impact Strength</b>			
notched, at 23°C	85	J/m	ASTM D256
<b>Rockwell Hardness, R-Scale</b>			
	94	-	ASTM D785
<b>FILM PROPERTIES</b>			
<b>Tensile Properties</b>			
stress at yield	28	MPa	ASTM D638
strain at yield	12	%	ASTM D638
<b>THERMAL PROPERTIES</b>			
<b>Vicat Softening Temperature</b>			
	128	°C	ASTM D1525
<b>Heat deflection temperature</b>			
at 455kPa	83	°C	ASTM D648

(1) Based on injection molded specimens

### PROCESSING CONDITIONS



Typical processing conditions for QR6701K are:

Barrel temperature range: 190 – 220 °C.

Mold Shrinkage: 1.2 - 2.0 % depending on wall thickness and processing conditions.

Mold Temperature: Normally 15 - 40°C, up to 65°C for thick parts.

## HEALTH, SAFETY AND FOOD CONTACT REGULATIONS

SABIC® PP QR6701K 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.

## DISCLAIMER

The information contained herein may include typical properties of our products or their typical performances when used in certain typical applications. Actual properties of our products, in particular when used in conjunction with any third party material(s) or for any non-typical applications, may differ from typical properties.

It is the customer's responsibility to inspect and test our product(s) in order to satisfy itself as to the suitability of the product(s) for its and its customers particular purposes. The customer is responsible for the appropriate, safe and legal use, processing and handling of all product(s) purchased from us.

Nothing herein is intended to be nor shall it constitute a warranty whatsoever, in particular, warranty of merchantability or fitness for a particular purpose.

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