



# SABIC<sup>®</sup> PP QR6701K

POLYPROPYLENE RANDOM COPOLYMER

## DESCRIPTION

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

## TYPICAL PROPERTY VALUES

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 <sup>(1)</sup></b>			
<b>Tensile Properties</b>			
Strength @ Yield	28	MPa	ASTM D 638
Elongation @ Yield	12	%	ASTM D 638
<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>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.