

PRODUCT NAME: PP QR6701K
POLYPROPYLENE RANDOM COPOLYMER
Supplier: SABIC®
Product Identification & 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).

Physical Properties

Property	Typical Values	Units	Test Methods
Melt Flow Rate (MFR) @ 230 °C / 2.16 kg	10	g/10 min	ASTM D1238
Density at 23 °C	905	kg/m ³	ASTM D1505

Mechanical Properties

Property	Typical Values	Units	Test Methods
Tensile Strength @ Yield	28	MPa	ASTM D638
Elongation @ Yield	12	%	ASTM D638
Flexural Modulus (1% Secant)	1050	MPa	ASTM D790 (Procedure A)
Izod Impact Strength, Notched @ 23 °C	85	J/m	ASTM D256
Rockwell Hardness (R-Scale)	94	R	ASTM D785

Thermal Properties

Property	Typical Values	Units	Test Methods
Vicat Softening Point	128	°C	ASTM D1525
Heat Deflection Temperature @ 455 kPa	83	°C	ASTM D648

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.

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.

Revision: This datasheet replaces all previous versions. **Revision Date:** Mar 2026

