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SABIC® PP QR6711K

POLYPROPYLENE RANDOM COPOLYMER FOR INJECTION MOLDING

DESCRIPTION

SABIC® PP QR6711K is a PP random grade with narrow molecular weight distribution intended specifically for producing injection molded articles with high clarity. This grade contains advanced clarifier & anti-static agent. SABIC® PP QR6711K has the following features: Consistent processability; Good stiffness; Exceptional clarity; Low thickness; Low warpage; Easy to flow; Better cycle time comparing to normal PP random copolymer grades; Less energy consumption.

TYPICAL APPLICATIONS

SABIC® QR 6711K can be used for clear thin-walled containers & boxes, housewares, caps & closures and lids.

TYPICAL PROPERTY VALUES

Revision 20170531

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate			
at 230 °C and 2.16kg	45	g/10 min	ASTM D1238
Density			
at 23 °C	905	kg/m³	ASTM D792
MECHANICAL PROPERTIES			
Tensile Properties (1)			
stress at yield	28	MPa	ASTM D638
strain at yield	13	%	ASTM D638
Flexural Modulus (1% Secant) (1)	1150	MPa	ASTM D790
Izod Impact Strength (1)			
notched, at 23 °C	56	J/m	ASTM D256
Rockwell Hardness, R-Scale (1)	85	-	ASTM D785
THERMAL PROPERTIES			
Vicat Softening Temperature	124	°C	ASTM D1525
Heat Deflection Temperature			
at 455kPa	71	°C	ASTM D648

(1) Based on injection molded specimens

PROCESSING CONDITIONS

Typical processing conditions for QR6711K are:

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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 QR6711K 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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