



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

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/m ³	ASTM D792
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile Properties			
Strength @ Yield	28	MPa	ASTM D 638
Elongation @ Yield	13	%	ASTM D 638
Flexural Modulus (1% Secant) ⁽¹⁾	1150	MPa	ASTM D790 A
Izod Impact Strength			
notched, at 23 °C	56	J/m	ASTM D256
Rockwell Hardness, R-Scale	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:

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.