



SABIC[®] PP QR6731K

POLYPROPYLENE RANDOM COPOLYMER

DESCRIPTION

SABIC[®] PP QR6731K is specially developed for producing injection molded & ISBM articles with very high clarity at low processing temperatures. This grade contains advance clarifier and anti-static agent.

SABIC[®] PP QR6731K has following features: Consistent processability; Good stiffness; Exceptional clarity; Lower energy consumption and less cycle time due to low processing temperatures.

TYPICAL APPLICATIONS

SABIC[®] PP QR6731K can be used for clear housewares items, caps & closures, food containers, bottles (ISBM), lids and CD boxes.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate			
at 230 °C and 2.16kg	25	g/10 min	ASTM D1238
Density			
at 23°C	905	kg/m ³	ASTM D790
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile Properties			
Strength @ Yield	28	MPa	ASTM D 638
Elongation @ Yield	12	%	ASTM D 638
Flexural Modulus (1% Secant) ⁽¹⁾	1050	MPa	ASTM D790 A
Izod Impact Strength			
notched, at 23°C	65	J/m	ASTM D256
Rockwell Hardness, R-Scale	94	-	ASTM D785
THERMAL PROPERTIES			
Vicat Softening Temperature	127	°C	ASTM D1525
Heat deflection temperature			
at 455kPa	83	°C	ASTM D648

(1) Based on injection molded specimens

PROCESSING CONDITIONS

Typical processing conditions for QR6731K 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.