

SABIC® QR6731K

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.

Information provided by SABIC

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in ³	ASTM D790

Melt Flow

25 g/10 min
@Load 2.16 kg,
Temperature 230 °C

25 g/10 min
@Load 4.76 lb,
Temperature 446 °F

ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	94	94	ASTM D785

Tensile Strength, Yield

28.0 MPa

4060 psi

ASTM D638

Elongation at Yield

12 %

12 %

ASTM D638

Flexural Modulus, 1% Secant

1050 MPa

152000 psi

Based on injection
molded specimens;
ASTM D790 A

Izod Impact, Notched

0.650 J/cm

1.22 ft-lb/in

ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	83.0 °C	181 °F	ASTM D648

Vicat Softening Point

127 °C

261 °F

ASTM D1525