

SABIC® QR6701K

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.

Information provided by SABIC

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in ³	ASTM D792

Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 230 °C	10 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	0.850 J/cm	1.59 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	128 °C	262 °F	ASTM D1525
-----------------------	--------	--------	------------