

SABIC® QR6711K

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.
Information provided by SABIC

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

Melt Flow	45 g/10 min @Load 2.16 kg, Temperature 230 °C	45 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238
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Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	85	85	ASTM D785

Tensile Strength, Yield	28.0 MPa	4060 psi	ASTM D638
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Elongation at Yield	13 %	13 %	ASTM D638
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Flexural Modulus, 1% Secant	1150 MPa	167000 psi	Based on injection molded specimens; ASTM D790 A
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Izod Impact, Notched	0.560 J/cm	1.05 ft-lb/in	ASTM D256
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Thermal Properties	Metric	English	Comments
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Deflection Temperature at 0.46 MPa (66 psi)	71.0 °C	160 °F	ASTM D648
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Vicat Softening Point	124 °C	255 °F	ASTM D1525
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