

# 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 <sup>3</sup>                           | ASTM D790   |
| Melt Flow                                   | 25 g/10 min<br>@Load 2.16 kg,<br>Temperature 230 °C | 25 g/10 min<br>@Load 4.76 lb,<br>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;<br>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  |