

SABIC® PP QR6731K

Polypropylene Random Copolymer

SABIC Americas, Inc.

Message:

Provisional - PP random co-polymer for Injection moulding

QR6731K is specially developed for producing injection molded & ISBM articles with very high clarity at low processing temperatures and also has better impact properties than homo PP counterparts. This grade contains advance clarifier & anti-static agent.

QR6731K has following features:

Consistent processability

Good stiffness

Exceptional clarity

Lower energy consumption & less cycle time due to low processing temperatures

Typical Applications

QR6731K can be used for clear houseware items, caps & closures, food containers, bottles (ISBM), lids and CD-boxes.

General Information			
Additive	Antistatic Clarifier		
Features	Antistatic Fast Molding Cycle Food Contact Acceptable Good Impact Resistance Good Processability Good Stiffness High Clarity Random Copolymer		
Uses	Bottles Caps Closures Food Containers Household Goods Lids Transparent Parts		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	0.905	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ASTM D1238

Molding Shrinkage - Flow	1.2 to 2.0	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	94		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	28.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	12	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	1050	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	65	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	83.0	°C	ASTM D648
Vicat Softening Temperature	127	°C	ASTM D1525 ²
Injection	Nominal Value	Unit	
Rear Temperature	190 to 220	°C	
Middle Temperature	190 to 220	°C	
Front Temperature	190 to 220	°C	
Mold Temperature	15.0 to 40.0	°C	
NOTE			
1.	23°C		
2.	Rate B (120°C/h)		

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