SABIC® PP QR6701K

Polypropylene Random Copolymer

SABIC Americas, Inc.

Message:

Provisional - PP random co-polymer for Injection moulding
QR6701K 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.
QR6701K has following features:
Consistent processability
Good stiffness
Exceptional clarity
Lower energy consumption & less cycle time due to low processing temperatures
Typical Applications
QR6701K can be used for clear houseware & packaging items, appliances, caps & closures, lids and bottles (ISBM).

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	Appliances Bottles Caps Closures Household Goods Lids Packaging Transparent Parts
Appearance	Clear/Transparent
Forms	Pellets
Processing Method	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity [1]	0.905	g/cm³	ASTM D792

Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	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)	85	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	128	°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)		

Recommended distributors for this material

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