SABIC® PP QR675K

Polypropylene Random Copolymer

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® PP QR675K is a highly transparent random copolymer with good antistatic properties with excellent flow behaviour. This grade combines improved aesthetics of the finished articles with low temperature processability. Part aesthetics are not affected by the lower temperatures, providing for a broader operating window. The SABIC® PP QR675K results in excellent demoulding characteristics and has a good stiffness to impact ratio.
SABIC® PP QR675K is mainly used in injection moulding processes. The SABIC® PP QR675K aims at transparent applications were higher MFI's with good flow are required. Its intended applications include injection moulded housewares, office & home storage boxes, thin wall packaging and media packaging.
The product mentioned herein is in particular not tested and therefore not validated for use in pharmaceutical/medical applications.

General Information	
UL YellowCard	E111275-100845386
Additive	Antistatic Clarifier
Features	Antistatic Good Impact Resistance Good Mold Release Good Stiffness High Clarity High Flow Pleasing Surface Appearance Random Copolymer
Uses	Containers Household Goods Media Packaging Thin-walled Packaging Transparent Parts
UL File Number	E111275
Appearance	Clear/Transparent
Forms	Pellets
Processing Method	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.905	g/cm³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	60	g/10 min	ASTM D1238, ISO 1133

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	94		ASTM D785

Shore Hardness (Shore D)	62		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			
1% Secant [1]	1150	MPa	ASTM D638
--	1100	MPa	ISO 527-2/1A/1
Tensile Strength			
Yield [2]	28.0	MPa	ASTM D638
Yield	25.0	MPa	ISO 527-2/1A/50
Tensile Elongation			
Yield [3]	13	%	ASTM D638
Yield	13	%	ISO 527-2/1A/50
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
0°C	2.0	kJ/m²	
23°C	4.5	kJ/m²	
Notched Izod Impact			
0°C	30	J/m	ASTM D256A
23°C	45	J/m	ASTM D256A
0°C	2.0	kJ/m²	ISO 180/1A
23°C	4.0	kJ/m²	ISO 180/1A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			
0.45 MPa, Unannealed	80.0	°C	ASTM D648
0.45 MPa, Unannealed [4]	75.0	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	55.0	°C	ASTM D648
1.8 MPa, Unannealed [5]	50.0	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	125	°C	ASTM D1525, ISO 306/A120 6 [6]
--	68.0	°C	ASTM D1525, ISO 306/B120 7 [7]
Optical	**Nominal Value**	**Unit**	**Test Method**
Haze	9.0	%	ASTM D1003
NOTE			
1.	1.0 mm/min		
2.	50 mm/min		
3.	50 mm/min		
4.	testbar 80*10*4mm		
5.	testbar 80*10*4mm		
6.	Rate B (120°C/h), Loading 1 (10 N)		
7.	Rate B (120°C/h), Loading 2 (50 N)		

infringement occurs, please contact us immediately.

Recommended distributors for this material

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