

SABIC® PP QR672K

PP RANDOM COPOLYMER QCRYSTAL - PROVISIONAL DATASHEET

DESCRIPTION

SABIC® PP QR672K is a highly transparent random copolymer with good antistatic properties. This grade combines good stiffness, improved aesthetics of the finished articles and low temperature processability. SABIC PP QR672K results in excellent demoulding characteristics and has a good stiffness to impact ratio.

Applications: SABIC PP QR672K is mainly used in injection moulding processes . The SABIC PP QR672K aims at transparent applications ranging from injection moulded lids, caps & closures, housewares, office & home storage boxes.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	11	dg/min	ISO 1133
Density	905	kg/m ³	ASTM D1505
FORMULATION			
Anti static agent	☑	-	-
Clarified	☑	-	-
MECHANICAL PROPERTIES			
Tensile test			
stress at yield ⁽¹⁾	27	MPa	ISO 527-2 1A
tensile modulus ⁽²⁾	1050	MPa	ISO 527-2 1A
strain at yield	14	%	ISO 527-2 1A
Izod impact notched			
at 0 °C	2.5	kJ/m ²	ISO 180/1A
at 23 °C	6.0	kJ/m ²	ISO 180/1A
Charpy Impact Strength Notched			
at 0 °C	2.0	kJ/m ²	ISO 179/1eA
at 23 °C	6.5	kJ/m ²	ISO 179/1eA
Hardness Shore D	64	-	ISO 868
THERMAL PROPERTIES			
Heat deflection temperature ⁽³⁾			
at 0.45 MPa (HDT/B)	75	°C	ISO 75
at 1.80 MPa (HDT/A)	50	°C	ISO 75
Vicat Softening Temperature ⁽⁴⁾			
at 10 N (VST/B)	126	°C	ISO 306
at 50 N (VST/A)	69	°C	ISO 306

