SABIC® PP QR678K

PP RANDOM COPOLYMER QRYSTAL

DESCRIPTION

SABIC® PP QR678K is a very high melt flow index random copolymer with high transparency and good antistatic properties. This grade combines improved aesthetics of the finished articles with low temperature processability. Part aesthetics are not affected by the lower processing temperatures, providing for a broader operating window. The SABIC® PP QR678K presents very high melt flow rate, easy demoulding and good stiffness to impact ratio.

Application: SABIC® PP QR678K is mainly used in injection moulding processes. The SABIC® PP QR678K is typically used 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.

Health, Safety and Food Contact regulations: Material Safety Data Sheets (MSDS) and Product Safety declarations are available on our Internet site http://www.SABIC.com.The product mentioned herein is in particular not tested and therefore not validated for use in pharmaceutical/medical applications.

IMDS 80775790

TYPICAL PROPERTY VALUES

Revision 20210227

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	80	dg/min	ISO 1133
Density	905	kg/m³	ASTM D1505
FORMULATION			
Anti static agent	☑	-	-
Clarified	☑	-	-
MECHANICAL PROPERTIES			
Tensile test			
stress at yield [1]	28	MPa	ISO 527-2 1A
strain at yield	13	%	ISO 527-2 1A
tensile modulus [2]	1100	MPa	ISO 527-2 1A
Izod impact notched			
at 0 °C	1.5	kJ/m²	ISO 180/1A
at 23 °C	3.5	kJ/m²	ISO 180/1A
Charpy Impact Strength Notched			
at 0 °C	1.5	kJ/m²	ISO 179/1eA
at 23 °C	4.0	kJ/m²	ISO 179/1eA
Hardness Shore D	64	-	ISO 868
THERMAL PROPERTIES			
Heat deflection temperature [3]			
at 1.80 MPa (HDT/A)	52	°C	ISO 75
at 0.45 MPa (HDT/B)	75	°C	ISO 75
Vicat Softening Temperature [4]			
at 50 N (VST/B)	70	°C	ISO 306
at 10 N (VST/A)	125	°C	ISO 306

(1) Speed of testing: 50 mm/min
(2) Speed of testing: 1 mm/min
(3) Flat wise (testbar 80*10*4mm)
(4) Temperature rate: 120°C/h

STORAGE AND HANDLING

Avoid prolonged storage in open sunlight, high temperatures (<50 °C) and /or high humidity as this could well speed up alteration and consequently loss of quality of the material and /or its packaging. Keep material completely dry for good processing.

DISCLAIMER