

SABIC® PP 670KH

PP RANDOM COPOLYMER

DESCRIPTION

SABIC® PP 670Kh is a polypropylene random copolymer grade with medium melt flow intended for producing injection-moulded articles of high clarity. This product is formulated with an additive package, which enables a reduced cooling time in combination with high demoulding temperature. Products from SABIC® PP 670Kh have a very high clarity, a good impact strength-stiffness balance and good organoleptic properties. Closures from SABIC® PP 670Kh have excellent hinge strength.

Application:

SABIC® PP 670Kh typically is used in caps & closures, lids, housewares, and appliances.

Health, Safety and Food Contact regulations:

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate			
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			
strain at yield ⁽¹⁾	14	%	ISO 527-2 1A
tensile modulus ⁽²⁾	1050	MPa	ISO 527-2 1A
stress at yield	27	MPa	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			



PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
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 50 N (VST/B)	69	°C	ISO 306
at 10 N (VST/A)	126	°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

