



SABIC[®] PP 571P

PP HOMOPOLYMER

DESCRIPTION

This grade has typically nice gloss and good surface hardness. Typical applications are sanitary, closures with and without integral hinges.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate			
at 230 °C and 2.16 kg	5.7	dg/min	ISO 1133
Density	905	kg/m ³	ASTM D 1505
Molecular Weight Distribution	Broad	-	-
Isotacticity	Medium	-	-
FORMULATION			
Anti static agent	□	-	-
Nucleating agent	□	-	-
MECHANICAL PROPERTIES			
Tensile test			
tensile modulus ⁽¹⁾	1700	MPa	ISO 527-2 1A
stress at yield	37	MPa	ISO 527-2 1A
strain at yield ⁽²⁾	8	%	ISO 527-2 1A
Izod impact notched			
at 23 °C	3.0	kJ/m ²	ISO 180/1A
Charpy Impact Strength Notched			
at 23 °C	4.0	kJ/m ²	ISO 179/1eA
Hardness Shore D	69	-	ISO 868
THERMAL PROPERTIES			
Heat deflection temperature ⁽³⁾			
at 0.45 MPa (HDT/B)	85	°C	ISO 75
at 1.80 MPa (HDT/A)	55	°C	ISO 75
Vicat Softening Temperature ⁽⁴⁾			
at 50 N (VST/B)	95	°C	ISO 306
at 10 N (VST/A)	154	°C	ISO 306

(1) Speed of testing: 1 mm/min

(2) Speed of testing: 50 mm/min

(3) Flat wise (testbar 80*10*4mm)

(4) Temperature rate: 120°C/h