

# 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.

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.

This grade material is UL registered under File E111275 ([www.ul.com](http://www.ul.com)).  
IMDS 7172624

### TYPICAL PROPERTY VALUES

Revision 20181012

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate</b>			
at 230 °C and 2.16 kg	5.7	dg/min	ISO 1133
<b>Density</b>	905	kg/m³	ASTM D1505
<b>Molecular Weight Distribution</b>	Broad	-	-
<b>Isotacticity</b>	Medium	-	-
<b>FORMULATION</b>			
<b>Anti static agent</b>	<input type="checkbox"/>	-	-
<b>Nucleating agent</b>	<input type="checkbox"/>	-	-
<b>MECHANICAL PROPERTIES</b>			
<b>Tensile test</b>			
tensile modulus <sup>(1)</sup>	1700	MPa	ISO 527-2 1A
stress at yield	37	MPa	ISO 527-2 1A
strain at yield <sup>(2)</sup>	8	%	ISO 527-2 1A
<b>Izod impact notched</b>			
at 23 °C	3.0	kJ/m²	ISO 180/1A
<b>Charpy Impact Strength Notched</b>			
at 23 °C	4.0	kJ/m²	ISO 179/1eA
<b>Hardness Shore D</b>	69	-	ISO 868
<b>THERMAL PROPERTIES</b>			
<b>Heat deflection temperature <sup>(3)</sup></b>			
at 0.45 MPa (HDT/B)	85	°C	ISO 75
at 1.80 MPa (HDT/A)	55	°C	ISO 75
<b>Vicat Softening Temperature <sup>(4)</sup></b>			
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



## QUALITY

SABIC Europe is fully certified in accordance with the internationally accepted quality standard ISO9001.

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