

# SABIC® PP 576P

PP HOMOPOLYMER

## DESCRIPTION

SABIC® PP 576P is a PP homopolymer grade that has good flow properties and a narrow molecular weight distribution. Products made from SABIC® PP 576P typically have low warpage and a high gloss, high stiffness in combination with moderate impact strength at room temperature.

Application:

SABIC® PP 576P is typically used in caps & closures and thin wall packaging both in food and non-food segments.

Health, Safety and Food Contact regulations:

Material Safety Data Sheets (MSDS) and Product Safety declarations are available on our Internet site

The product mentioned herein is in particular not tested and therefore not validated for use in pharmaceutical/ medical applications.

IMDS 7172624

## TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
at 230 °C and 2.16 kg	19	dg/min	ISO 1133
<b>Density</b>	905	kg/m³	ASTM D1505
<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>			
strain at yield <sup>(1)</sup>	9	%	ISO 527-2 1A
tensile modulus <sup>(2)</sup>	1800	MPa	ISO 527-2 1A
stress at yield	37	MPa	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>	71	-	ISO 868
<b>THERMAL PROPERTIES</b>			
<b>Heat deflection temperature <sup>(3)</sup></b>			
at 1.80 MPa (HDT/A)	60	°C	ISO 75
at 0.45 MPa (HDT/B)	90	°C	ISO 75
<b>Vicat Softening Temperature <sup>(4)</sup></b>			
at 50 N (VST/B)	94	°C	ISO 306
at 10 N (VST/A)	152	°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

