

# 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.

### TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
Melt Flow Rate at 230 °C and 2.16 kg	19	dg/min	ISO 1133
Density	905	kg/m <sup>3</sup>	ASTM D1505
<b>FORMULATION</b>			
Anti static agent	<input type="checkbox"/>	-	-
Nucleating agent	<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/m <sup>2</sup>	ISO 180/1A
<b>Charpy Impact Strength Notched</b>			
at 23 °C	4.0	kJ/m <sup>2</sup>	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