



# SABIC<sup>®</sup> PPCOMPOUND 8900P

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

## DESCRIPTION

SABIC<sup>®</sup> PPcompound 8900P is a mineral filled modified polypropylene. This material combines high flow with a very high stiffness and high impact, as well as a very low shrinkage and CLTE. The high stiffness and low CLTE makes the material suited for high demanding applications. The material is UV stabilized.

SABIC<sup>®</sup> PPcompound 8900P is a designated automotive grade.

IMDS ID: 472158864

## 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	20	dg/min	ISO 1133
<b>Density <sup>(1)</sup></b>	1080	kg/m <sup>3</sup>	ISO 1183
<b>Filler content</b>	25	%	SABIC method
<b>Mould shrinkage <sup>(2)</sup></b>			
24 hours after injection moulding	0.6	%	SABIC method
<b>MECHANICAL PROPERTIES <sup>(1)</sup></b>			
<b>Tensile test</b>			
Tensile modulus	2600	MPa	ISO 527/1A
stress at yield	24	MPa	ISO 527/1A
stress at break	15	MPa	ISO 527/1A
strain at break	50	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	2300	MPa	ISO 178/1A
<b>Izod impact notched <sup>(3)</sup></b>			
at 23 °C	30	kJ/m <sup>2</sup>	ISO 180/1A
at 0 °C	7	kJ/m <sup>2</sup>	ISO 180/1A
at -20 °C	3.5	kJ/m <sup>2</sup>	ISO 180/1A
<b>THERMAL PROPERTIES <sup>(1)</sup></b>			
<b>Heat deflection temperature</b>			
at 0.45 MPa (HDT/B)	130	°C	ISO 75
<b>Coeff. of linear thermal expansion</b>			
-30 °C to 100 °C	50	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

## QUALITY

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