

# SABIC® PP COMPOUND 8500C

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

## DESCRIPTION

SABIC PPcompound 8500C is an elastomer-modified mineral filled Polypropylene for automotive painted exterior applications. Its low density and excellent stiffness/impact balance makes it suited for weight reduction designs. Typical applications include automotive exterior parts such as zero gap automotive bumper applications with complex and large shapes.

SABIC PPcompound 8500C is a designated automotive grade.

IMDS ID: 853083058

## TYPICAL PROPERTY VALUES

Revision 20211206

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
at 230 °C and 2.16 kg	10	dg/min	ISO 1133
<b>Density</b> <sup>(1)</sup>	970	kg/m <sup>3</sup>	ISO 1183
Filler content	11	%	SABIC method
<b>MECHANICAL PROPERTIES</b> <sup>(1)</sup>			
<b>Tensile test</b>			
Tensile modulus	1580	MPa	ISO 527/1A
stress at yield	20	MPa	ISO 527/1A
stress at break	12	MPa	ISO 527/1A
strain at break	40	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	1700	MPa	ISO 178/1A
<b>Izod impact notched</b> <sup>(2)</sup>			
at 23 °C	N.B.	kJ/m <sup>2</sup>	ISO 180/1A
at -20 °C	8	kJ/m <sup>2</sup>	ISO 180/1A
<b>THERMAL PROPERTIES</b> <sup>(1)</sup>			
<b>Heat deflection temperature</b>			
at 0.45 MPa (HDT/B)	100	°C	ISO 75
<b>Coeff. of linear thermal expansion</b>			
-30 °C to 100 °C	80	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) N.B.: No Break

## STORAGE AND HANDLING

Avoid prolonged storage in open sunlight, high temperatures (<50 °C) and/or high humidity as this could well speed up alteration and consequently loss of quality of the material and/or its packaging. Keep material completely dry for good processing.



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