

# SABIC® PPCOMPOUND 8632

PP COMPOUND MF IMPACT MODIFIED  
REGION EUROPE

## DESCRIPTION

SABIC® PPcompound 8632 is a development grade, mineral filled elastomer modified Polypropylene. Typical material properties include combination of good flow and excellent balance between impact and stiffness with additional advantage of low CLTE. Typical applications include large and complex automotive exterior parts such as bumpers.

SABIC® PPcompound 8632 is a designated automotive grade.

IMDS ID: 611687270

## 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>	970	kg/m <sup>3</sup>	ISO 1183
<b>Filler content</b>	10	%	SABIC method
<b>Mould shrinkage <sup>(2)</sup></b>			
24 hours after injection moulding	0.85	%	SABIC method
<b>MECHANICAL PROPERTIES <sup>(1)</sup></b>			
<b>Tensile test</b>			
Tensile modulus	1350	MPa	ISO 527/1A
stress at yield	20	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	1300	MPa	ISO 178/1A
<b>Izod impact notched <sup>(3)</sup></b>			
at 23 °C	N.B.	kJ/m <sup>2</sup>	ISO 180/1A
at 0 °C	N.B.	kJ/m <sup>2</sup>	ISO 180/1A
at -20 °C	7	kJ/m <sup>2</sup>	ISO 180/1A
<b>THERMAL PROPERTIES <sup>(1)</sup></b>			
<b>Heat deflection temperature</b>			
at 1.80 MPa (HDT/A)	-	°C	ISO 75
<b>Coeff. of linear thermal expansion</b>			





PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
-30 °C to 100 °C	80	µm/mK	ISO 11359-2

- (1) Injection molded sample ISO527-1A  
(2) Injection molded plaque 65x65x3.2 mm  
(3) N.B.: No Break

## QUALITY

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

## 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.

## DISCLAIMER

The information contained herein may include typical properties of our products or their typical performances when used in certain typical applications. Actual properties of our products, in particular when used in conjunction with any third party material(s) or for any non-typical applications, may differ from typical properties.

It is the customer's responsibility to inspect and test our product(s) in order to satisfy itself as to the suitability of the product(s) for its and its customers particular purposes. The customer is responsible for the appropriate, safe and legal use, processing and handling of all product(s) purchased from us.

Nothing herein is intended to be nor shall it constitute a warranty whatsoever, in particular, warranty of merchantability or fitness for a particular purpose.

SABIC as referred to herein means any legal entity belonging to the group of companies headed by Saudi Arabia Basic Industries Corporation.

