

# SABIC® PPCOMPOUND 8609U

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

## DESCRIPTION

SABIC® PPcompound 8609U is an elastomer-modified mineral filled Polypropylene for automotive exterior applications. This material has been designed to combine high modulus and high impact with good processing.

SABIC® PPcompound 8609U is a designated automotive grade.

IMDS ID: 967434899

## TYPICAL PROPERTY VALUES

Revision 20210525

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
at 230 °C and 2.16 kg	27	dg/min	ISO 1133
<b>Density</b> <sup>(1)</sup>	1130	kg/m <sup>3</sup>	ISO 1183
<b>Filler content</b>	29	%	SABIC method
<b>Mould shrinkage</b> <sup>(2)</sup>			
24 hours after injection moulding	0.6	%	SABIC method
<b>MECHANICAL PROPERTIES</b> <sup>(1)</sup>			
<b>Tensile test</b>			
Tensile modulus	1600	MPa	ISO 527/1A
Stress at yield	17	MPa	ISO 527/1A
Stress at break	11	MPa	ISO 527/1A
Strain at break	66	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	1900	MPa	ISO 178/1A
<b>Izod impact notched</b> <sup>(3)</sup>			
at 23 °C	17	kJ/m <sup>2</sup>	ISO 180/1A
<b>THERMAL PROPERTIES</b> <sup>(1)</sup>			
<b>Heat deflection temperature</b>			
at 1.80 MPa (HDT/A)	65	°C	ISO 75
at 0.45 MPa (HDT/B)	115	°C	ISO 75
<b>Coeff. of linear thermal expansion</b>			
-30 °C to 100 °C	106	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) 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.





## DISCLAIMER

Any sale by SABIC, its subsidiaries and affiliates (each a "seller"), is made exclusively under seller's standard conditions of sale (available upon request) unless agreed otherwise in writing and signed on behalf of the seller. While the information contained herein is given in good faith, SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND NONINFRINGEMENT OF INTELLECTUAL PROPERTY, NOR ASSUMES ANY LIABILITY, DIRECT OR INDIRECT, WITH RESPECT TO THE PERFORMANCE, SUITABILITY OR FITNESS FOR INTENDED USE OR PURPOSE OF THESE PRODUCTS IN ANY APPLICATION. Each customer must determine the suitability of seller materials for the customer's particular use through appropriate testing and analysis. No statement by seller concerning a possible use of any product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right.

