

# SABIC® PP COMPOUND 8650MB2

## PP COMPOUND IMPACT MODIFIED

### DESCRIPTION

SABIC® PP compound 8650MB2 is an elastomer-modified Polypropylene for painted automotive exterior applications. The grade is typically used combined with SABIC® PP compound 8650MB1, mixed on the injection molding machine. SABIC® PP compound 8650MB2 is a designated automotive grade.

IMDS ID: 538470407

### TYPICAL PROPERTY VALUES

Revision 20220208

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
at 230 °C and 2.16 kg	23	dg/min	ISO 1133
<b>Density<sup>(1)</sup></b>	905	kg/m <sup>3</sup>	ISO 1183
<b>Mould shrinkage<sup>(2)</sup></b>	-	%	SABIC method
24 hours after injection moulding			
<b>MECHANICAL PROPERTIES<sup>(1)</sup></b>			
<b>Tensile</b>			
stress at yield	-	MPa	ISO 527/1A
stress at break	-	MPa	ISO 527/1A
strain at break	-	%	ISO 527/1A
<b>Izod impact notched<sup>(3)</sup></b>			
at 23 °C	-	kJ/m <sup>2</sup>	ISO 180/1A
at 0 °C	-	kJ/m <sup>2</sup>	ISO 180/1A
at -20 °C	-	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>			
-30 °C to 100 °C	-	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.



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