

# SABIC<sup>®</sup> PPCOMPOUND MB7450

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

## DESCRIPTION

SABIC<sup>®</sup> PPcompound MB7450 is a mineral filled modified polypropylene. The intended use of this material is in molding it in 1 to 1 ratio with SABIC<sup>®</sup> PP 90910 and as such not designed for sole use in applications. Using the material in the intended way will result in a molded part with a material with a property profile like SABIC<sup>®</sup> PPcompound 7450.

SABIC<sup>®</sup> PPcompound MB7450 is a designated automotive grade.

## 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	25	dg/min	ISO 1133
<b>Density <sup>(1)</sup></b>	1100	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	-	%	SABIC method
<b>MECHANICAL PROPERTIES <sup>(1)</sup></b>			
<b>Tensile test</b>			
Tensile modulus	1250	MPa	ISO 527/1A
stress at yield	18	MPa	ISO 527/1A
stress at break	18	MPa	ISO 527/1A
strain at break	300	%	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	-	kJ/m <sup>2</sup>	ISO 180/1A
at 0 °C	-	kJ/m <sup>2</sup>	ISO 180/1A
at -20 °C	10	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)	-	°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

## 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.

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