

# SABIC<sup>®</sup> PPCOMPOUND 9105

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

## DESCRIPTION

SABIC<sup>®</sup> PPcompound 9105 is an elastomer-modified mineral filled Polypropylene for automotive interior applications. This material has been designed to combine a good performance profile with good processing and esthetical properties.

SABIC<sup>®</sup> PPcompound 9105 is a designated automotive grade.

IMDS ID: 612551305

## TYPICAL PROPERTY VALUES

Revision 20190327

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt flow rate (MFR)</b>			
at 230 °C and 2.16 kg	18	dg/min	ISO 1133
<b>Density</b> <sup>(1)</sup>	930	kg/m <sup>3</sup>	ISO 1183
<b>Filler content</b>	5	%	SABIC method
<b>Mould shrinkage</b> <sup>(2)</sup>			
24 hours after injection moulding	1.0	%	SABIC method
<b>MECHANICAL PROPERTIES</b> <sup>(1)</sup>			
<b>Tensile</b>			
Tensile modulus	1370	MPa	ISO 527/1A
stress at yield	20	MPa	ISO 527/1A
stress at break	15	MPa	ISO 527/1A
strain at break	100	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	1450	MPa	ISO 178/1A
<b>Izod impact notched</b> <sup>(3)</sup>			
at 23 °C	32	kJ/m <sup>2</sup>	ISO 180/1A
at 0 °C	-	kJ/m <sup>2</sup>	ISO 180/1A
at -20 °C	5	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)	-	°C	ISO 75
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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