

# SABIC® PPCOMPOUND 6604/5

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

## DESCRIPTION

SABIC® PPcompound 6604/5 is a mineral filled modified polypropylene. This material combines high scratch resistance, high stiffness, high impact and very high flow. This material has a very broad processing window and good esthical performance. Typical applications include automotive interior parts such as instrument panels, lower and upper dashboard, door panels and trim.

SABIC® PPcompound 6604/5 is a designated automotive grade.

IMDS ID: 16486807

## 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	30	dg/min	ISO 1133
<b>Density <sup>(1)</sup></b>	1040	kg/m <sup>3</sup>	ISO 1183
<b>Filler content</b>	20	%	SABIC method
<b>Mould shrinkage <sup>(2)</sup></b>			
24 hours after injection moulding	0.8	%	SABIC method
<b>MECHANICAL PROPERTIES <sup>(1)</sup></b>			
<b>Tensile test</b>			
Tensile modulus	1750	MPa	ISO 527/1A
stress at yield	22	MPa	ISO 527/1A
stress at break	16	MPa	ISO 527/1A
strain at break	100	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	1650	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	7	kJ/m <sup>2</sup>	ISO 180/1A
at -20 °C	3.5	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)	105	°C	ISO 75
<b>Coeff. of linear thermal expansion</b>			
-30 °C to 100 °C	75	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.