

# SABIC<sup>®</sup> PPCOMPOUND 7605

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

## DESCRIPTION

SABIC<sup>®</sup> PPcompound 7605 is a mineral filled modified polypropylene. This material combines high scratch resistance with a good stiffness and high impact. Additionally the material offers a high flow and low density. This material has a broad processing window and good esthetical performance. Typical applications include automotive interior parts such as instrument panels, lower and upper dashboard, door panels and trim.

SABIC<sup>®</sup> PPcompound 7605 is a designated automotive grade.

IMDS ID: 16486153

## 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	20	dg/min	ISO 1133
<b>Density</b> <sup>(1)</sup>	960	kg/m <sup>3</sup>	ISO 1183
<b>Filler content</b>	10	%	SABIC method
<b>Mould shrinkage</b> <sup>(2)</sup>			
24 hours after injection moulding	0.9	%	SABIC method
<b>MECHANICAL PROPERTIES</b> <sup>(1)</sup>			
<b>Tensile test</b>			
Tensile modulus	1400	MPa	ISO 527/1A
stress at yield	22	MPa	ISO 527/1A
stress at break	20	MPa	ISO 527/1A
strain at break	500	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	1500	MPa	ISO 178/1A
<b>Izod impact notched</b> <sup>(3)</sup>			
at 23 °C	N.B.	kJ/m <sup>2</sup>	ISO 180/1A
at 0 °C	10	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 0.45 MPa (HDT/B)	105	°C	ISO 75
<b>Coeff. of linear thermal expansion</b>			
-30 °C to 100 °C	90	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.