



# SABIC<sup>®</sup> PPCOMPOUND 7536

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

## DESCRIPTION

SABIC<sup>®</sup> PPcompound 7536 is a mineral filled modified polypropylene. This material combines high flow with a high impact and stiffness level, and a very low shrinkage and CLTE. This material has a very broad processing window and good esthetical performance. Typical applications include automotive exterior parts such as large thin wall zero gap bumper designs but also lateral siding and bumper strips. It can be used in painted and unpainted applications with UV stabilization added on demand.

SABIC<sup>®</sup> PPcompound 7536 is a designated automotive grade.

IMDS ID: 16487166

## 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>	1040	kg/m <sup>3</sup>	ISO 1183
<b>Filler content</b>	20	%	SABIC method
<b>Mould shrinkage</b> <sup>(2)</sup>			
24 hours after injection moulding	0.5	%	SABIC method
<b>MECHANICAL PROPERTIES</b> <sup>(1)</sup>			
<b>Tensile test</b>			
Tensile modulus	1400	MPa	ISO 527/1A
stress at yield	18	MPa	ISO 527/1A
stress at break	19	MPa	ISO 527/1A
strain at break	500	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	1300	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	N.B.	kJ/m <sup>2</sup>	ISO 180/1A
at -20 °C	20	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)	100	°C	ISO 75
<b>Coeff. of linear thermal expansion</b>			
-30 °C to 100 °C	55	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break