

# SABIC® PPCOMPOUND 8536B

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

## DESCRIPTION

SABIC® PPcompound 8536B is an elastomer-modified mineral filled Polypropylene for painted automotive exterior applications. This material has been designed to combine a good performance profile with good processing.

SABIC® PPcompound 8536B is a designated automotive grade.

IMDS ID: 459467538

## 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>	990	kg/m <sup>3</sup>	ISO 1183
<b>Filler content</b>	15	%	SABIC method
<b>Mould shrinkage</b> <sup>(2)</sup>			
24 hours after injection moulding	0.7	%	SABIC method
<b>MECHANICAL PROPERTIES</b> <sup>(1)</sup>			
<b>Tensile</b>			
Tensile modulus	1350	MPa	ISO 527/1A
stress at yield	18.5	MPa	ISO 527/1A
stress at break	13.5	MPa	ISO 527/1A
strain at break	>150	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	1550	MPa	ISO 178/1A
<b>Izod impact notched</b> <sup>(3)</sup>			
at 23 °C	60	kJ/m <sup>2</sup>	ISO 180/1A
at 0 °C	60	kJ/m <sup>2</sup>	ISO 180/1A
at -20 °C	10	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)	95	°C	ISO 75
<b>Coeff. of linear thermal expansion</b>			
-30 °C to 100 °C	60	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

