

# SABIC® PP COMPOUND 9146

## PP COMPOUND MINERAL FILLED IMPACT MODIFIED

### DESCRIPTION

SABIC PPcompound 9146 is an elastomer-modified mineral filled Polypropylene for automotive painted exterior applications. Its low density and excellent stiffness/impact balance makes it suited for weight reduction designs. Typical applications include automotive exterior parts such as zero gap automotive bumper applications with complex and large shapes.

SABIC PPcompound 9146 is a designated automotive grade.

IMDS ID: 1019921255

### TYPICAL PROPERTY VALUES

Revision 20211206

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>	1000	kg/m <sup>3</sup>	ISO 1183
<b>Filler content</b>	15	%	SABIC method
<b>MECHANICAL PROPERTIES</b> <sup>(1)</sup>			
<b>Tensile test</b>			
Tensile modulus	1800	MPa	ISO 527/1A
stress at yield	25	MPa	ISO 527/1A
stress at break	18	MPa	ISO 527/1A
strain at break	50	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	1900	MPa	ISO 178/1A
<b>Izod impact notched</b> <sup>(2)</sup>			
at 23 °C	10	kJ/m <sup>2</sup>	ISO 180/1A
at -20 °C	3	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)	115	°C	ISO 75

(1) Injection molded sample ISO527-1A

(2) 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.

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