

# SABIC® PP COMPOUND F9005

## PP COMPOUND MINERAL FILLED IMPACT MODIFIED

### DESCRIPTION

Preliminary datasheet

SABIC® PPcompound F9005 is an elastomer-modified mineral filled Polypropylene for automotive interior applications. This material has been designed to combine a good performance profile with good processing. This material is designed for intended use in foamed interior applications. Datasheet values are based on standard, solid specimen.

SABIC® PPcompound F9005 is a designated automotive grade.

IMDS ID: 963559648

### TYPICAL PROPERTY VALUES

Revision 20201030

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
at 230 °C and 2.16 kg	17	dg/min	ISO 1133
<b>Density</b> <sup>(1)</sup>	930	kg/m <sup>3</sup>	ISO 1183
<b>Filler content</b>	5	%	SABIC method
<b>Mould shrinkage</b> <sup>(2)</sup>			
24 hours after injection moulding	1.4	%	SABIC method
<b>MECHANICAL PROPERTIES</b> <sup>(1) (3)</sup>			
<b>Tensile</b>			
Tensile modulus	1400	MPa	ISO 527/1A
stress at yield	22	MPa	ISO 527/1A
stress at break	16	MPa	ISO 527/1A
strain at break	8	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	1400	MPa	ISO 178/1A
<b>Izod impact notched</b> <sup>(4)</sup>			
at 23 °C	15	kJ/m <sup>2</sup>	ISO 180/1A
at 0 °C	9	kJ/m <sup>2</sup>	ISO 180/1A
<b>THERMAL PROPERTIES</b> <sup>(1)</sup>			
<b>Heat deflection temperature</b>			
at 1.8 MPa (HDT/A)	55	°C	ISO 75
at 0.45 MPa (HDT/B)	94	°C	ISO 75
<b>Coeff. of linear thermal expansion</b>			
-30 °C to 100°C	130	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

(4) U-shaped notch; 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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