



# SABIC® PPCOMPOUND 31T1010

PP COMPOUND MINERAL FILLED

## DESCRIPTION

SABIC® PPcompound 31T1010 is a 10% talc-filled polypropylene copolymer for general purpose applications.

## TYPICAL PROPERTY VALUES

Revision 20211207

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
at 230 °C and 2.16 kg	11	dg/min	ISO 1133
<b>Density</b> <sup>(1)</sup>	970	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	1.3	%	SABIC method
<b>MECHANICAL PROPERTIES</b> <sup>(1)</sup>			
<b>Tensile</b>			
Tensile modulus	1650	MPa	ISO 527 / 1A
stress at yield	-	MPa	ISO 527 / 1A
stress at break	23	MPa	ISO 527 / 1A
strain at break	54	%	ISO 527 / 1A
<b>Flexural test</b>			
Flexural modulus	1750	MPa	ISO 178 / 1A
<b>Izod impact notched</b> <sup>(3)</sup>			
at 23 °C	13	kJ/m <sup>2</sup>	ISO 180 / 1A
at 0 °C	8	kJ/m <sup>2</sup>	ISO 180 / 1A
at -20 °C	6	kJ/m <sup>2</sup>	ISO 180 / 1A
<b>THERMAL PROPERTIES</b> <sup>(1)</sup>			
<b>Heat deflection temperature</b>			
at 1.80 MPa (HDT/A)	59	°C	ISO 75
at 0.45 MPa (HDT/B)	110	°C	ISO 75
<b>Coeff. of linear thermal expansion</b>			
-30 °C to 100 °C	-	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2 mm

(3) 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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