

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 20190717

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt flow rate (MFR)			
at 230 °C and 2.16 kg	11	dg/min	ISO 1133
Density ⁽¹⁾	970	kg/m ³	ISO 1183
Filler content	10	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	1.3	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile			
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
Flexural test			
Flexural modulus	1750	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	13	kJ/m ²	ISO 180/1A
at 0 °C	8	kJ/m ²	ISO 180/1A
at -20 °C	6	kJ/m ²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 1.80 MPa (HDT/A)	59	°C	ISO 75
at 0.45 MPa (HDT/B)	110	°C	ISO 75
Coeff. of linear thermal expansion			
-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

QUALITY

SABIC is fully certified in accordance with the internationally accepted quality standard ISO 9001.



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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