

# SABIC® PPCOMPOUND T2E-19T1040

PP COMPOUND MINERAL FILLED

## DESCRIPTION

SABIC® PPcompound T2E-19T1040 is a Polypropylene compound, which is formulated with 25 wt% recycled plastics. The grade is part of SABIC's TRUCIRCLE™ portfolio and services. The material's higher filler level results in very high stiffness. High stiffness combined with superior flow and good thermal stabilization makes the grade especially suited for complex injectionmolding applications requiring very high modulus and high thermal stability.

IMDS ID 1092211090

## TYPICAL PROPERTY VALUES

Revision 20230406

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
at 230 °C and 2.16 kg	30	dg/min	ISO 1133
<b>Density</b> <sup>(1)</sup>	1240	kg/m <sup>3</sup>	ISO 1183
<b>Filler content</b>	40	%	SABIC method
<b>Mould shrinkage</b> <sup>(2)</sup>			
24 hours after injection moulding	0.8	%	SABIC method
<b>MECHANICAL PROPERTIES</b> <sup>(1)</sup>			
<b>Tensile test</b>			
Tensile modulus	4000	MPa	ISO 527/1A
stress at yield	28	MPa	ISO 527/1A
stress at break	26	MPa	ISO 527/1A
strain at break	4	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	4200	MPa	ISO 178/1A
<b>Izod impact notched</b> <sup>(3)</sup>			
at 23 °C	2.0	kJ/m <sup>2</sup>	ISO 180/1A
at 0 °C	1.5	kJ/m <sup>2</sup>	ISO 180/1A
at -20 °C	1.0	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)	130	°C	ISO 75
<b>Coeff. of linear thermal expansion</b>			
-30 °C to 100 °C	75	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(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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