

# SABIC® PPCOMPOUND T5E-3020B

PP COMPOUND MINERAL FILLED

## DESCRIPTION

SABIC® PPcompound T5E-3020B is a development grade, mineral filled Polypropylene compound, which is formulated with 50wt% post-industrial recycled plastics. The grade is part of SABIC's TRUCIRCLE™ portfolio and services. High stiffness, combined with good thermal stabilization and excellent UV performance, makes the grade suitable for exterior applications.

SABIC® PPcompound T5E-3020B is a designated automotive grade.

IMDS ID: 1168953224

## TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
at 230 °C and 2.16 kg	14	dg/min	ISO 1133
<b>Density</b> <sup>(1)</sup>	1040	kg/m³	ISO 1183
<b>Filler content</b>	20	%	SABIC method
<b>Mould shrinkage</b> <sup>(2)</sup>			
24 hours after injection moulding	1.1	%	SABIC method
<b>MECHANICAL PROPERTIES</b> <sup>(1)</sup>			
<b>Tensile test</b>			
Tensile modulus	2300	MPa	ISO 527/1A
stress at yield	28	MPa	ISO 527/1A
stress at break	18	MPa	ISO 527/1A
strain at break	26	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	2500	MPa	ISO 178/1A
<b>Izod impact notched</b> <sup>(3)</sup>			
at 23 °C	3.5	kJ/m²	ISO 180/1A
at 0 °C	2.7	kJ/m²	ISO 180/1A
at -20 °C	2.3	kJ/m²	ISO 180/1A
<b>THERMAL PROPERTIES</b> <sup>(1)</sup>			
<b>Heat deflection temperature</b>			
at 0.45 MPa (HDT/B)	60	°C	ISO 75
<b>Coeff. of linear thermal expansion</b>			
-30 °C to 100 °C	100	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

