

# SABIC® PPCOMPOUND T2E-3320EH

## PP COMPOUND MINERAL FILLED

### DESCRIPTION

SABIC® PPcompound T2E-3320EH is a Polypropylene compound, which is formulated with 25 wt% recycled plastics. The grade is part of SABIC's TRUCIRCLE™ portfolio and services. High stiffness, combined with good thermal stabilization and excellent emission performance, makes the grade suited for use in applications at elevated temperatures and emission requirements. SABIC® PPcompound T2E-3320EH is a designated automotive grade. For SABIC® PPcompound T2E-3320EH either PCR or PIR material is used. In case PCR is used IMDS ID: 1092210969 or in case PIR is used IMDS ID: 1062971409

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### TYPICAL PROPERTY VALUES

Revision 20230727

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
at 230 °C and 2.16 kg	28	dg/min	ISO 1133
<b>Density</b> <sup>(1)</sup>	1040	kg/m <sup>3</sup>	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	2600	MPa	ISO 527/1A
stress at yield	29	MPa	ISO 527/1A
stress at break	25	MPa	ISO 527/1A
strain at break	10	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	2700	MPa	ISO 178/1A
<b>Izod impact notched</b> <sup>(3)</sup>			
at 23 °C	2.5	kJ/m <sup>2</sup>	ISO 180/1A
at 0 °C	2.0	kJ/m <sup>2</sup>	ISO 180/1A
at -20 °C	1.5	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)	117	°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

### 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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