



SABIC® PPCOMPOUND T3E-3320EH

PP COMPOUND MINERAL FILLED

DESCRIPTION

SABIC® PPcompound T3E-3320EH is a polypropylene compound, which is formulated with 35 wt% post-industrial recycled plastics. The grade is part of SABIC's TRUCIRCLETM 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 T3E-3320EH is a designated automotive grade.

IMDS ID: 1199249570

TYPICAL PROPERTY VALUES

Revision 20230421

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	24	dg/min	ISO 1133
Density ⁽¹⁾	1040	kg/m³	ISO 1183
Filler content	20	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	1.2	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
Tensile modulus	2600	MPa	ISO 527/1A
stress at yield	30	MPa	ISO 527/1A
stress at break	25	MPa	ISO 527/1A
strain at break	12	%	ISO 527/1A
Flexural test			
Flexural modulus	2700	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	2.5	kJ/m²	ISO 180/1A
at 0 °C	2.0	kJ/m²	ISO 180/1A
at -20 °C	2.0	kJ/m²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 0.45 MPa (HDT/B)	110	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	90	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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