

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 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 T3E-3320EH is a designated automotive grade.

IMDS ID: 1199249570

TYPICAL PROPERTY VALUES

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

