



# SABIC® PPCOMPOUND G3220AE

PP SHORT GLASS FIBER REINFORCED

## DESCRIPTION

SABIC® PPcompound G3220AE is a 20% short glass fiber reinforced emission optimized Polypropylene . The base material is a PP homopolymer. The glass fibres are chemically coupled to the PP matrix. This material has been designed to combine a good performance profile with fast processing.

SABIC® PPcompound G3220AE is a designated automotive grade.

IMDS ID: 817176771

## TYPICAL PROPERTY VALUES

Revision 20210413

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
at 230 °C and 2.16 kg	17	dg/min	ISO 1133
<b>Density <sup>(1)</sup></b>	1040	kg/m <sup>3</sup>	ISO 1183
<b>Filler content</b>	20	%	SABIC method
<b>Mould shrinkage <sup>(2)</sup></b>			
24 hours after injection moulding	0.7	%	SABIC method
<b>MECHANICAL PROPERTIES <sup>(1)</sup></b>			
<b>Tensile</b>			
stress at break	80	MPa	ISO 527/1A
strain at break	3.3	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	4500	MPa	ISO 178/1A
<b>THERMAL PROPERTIES <sup>(1)</sup></b>			
<b>Heat deflection temperature</b>			
at 1.80 MPa (HDT/A)	150	°C	ISO 75/A
<b>Coeff. of linear thermal expansion</b>			
-30 °C to 100 °C	55	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

## 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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