

# SABIC<sup>®</sup> PPCOMPOUND G3240A

PP SHORT GLASS FIBER REINFORCED

## DESCRIPTION

SABIC<sup>®</sup> PPcompound G3240A is a 40% short glass fiber reinforced Polypropylene for under-the-hood and structural applications. The base material is a PP homopolymer and is available in standard black. The glass fibres are chemically coupled to the PP matrix

SABIC<sup>®</sup> PPcompound G3240A is a designated automotive grade.

IMDS ID: 139448304

## TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate</b>			
at 230 °C and 2.16 kg	5	dg/min	ISO 1133
<b>Density</b> <sup>(1)</sup>	1220	kg/m <sup>3</sup>	ISO 1183
<b>Filler content</b>	40	%	SABIC method
<b>Mould shrinkage</b> <sup>(2)</sup>			
24 hours after injection moulding	0.6	%	SABIC method
<b>MECHANICAL PROPERTIES</b> <sup>(1)</sup>			
<b>Tensile</b>			
Tensile modulus	8900	MPa	ISO 527/1A
stress at break	110	MPa	ISO 527/1A
stress at strain	2.9	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	8900	MPa	ISO 178/1A
<b>Charpy Impact Strength Notched</b>			
at 23 °C	10	kJ/m <sup>2</sup>	ISO 179/1eA
<b>THERMAL PROPERTIES</b> <sup>(1)</sup>			
<b>Heat deflection temperature</b>			
at 1.80 MPa (HDT/A)	153	°C	ISO 75
<b>Coeff. of linear thermal expansion</b>			
-30 °C to 100 °C	42	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

## QUALITY

SABIC is fully certified in accordance with the internationally accepted quality standard ISO9001.

## 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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