



# SABIC<sup>®</sup> PPCOMPOUND G3010A

PP SHORT GLASS FIBER REINFORCED  
REGION EUROPE

## DESCRIPTION

SABIC<sup>®</sup> PPcompound G3010A is a 10% short glass fiber reinforced Polypropylene for under-the-hood /KWAB applications. The base material is a PP random copolymer. The glass fibres are chemically coupled to the PP matrix. This material has been designed to combine an optimal impact-stiffness balance with excellent creep performance.

SABIC<sup>®</sup> PPcompound G3010A is a designated automotive grade.

IMDS ID: 593191384

## 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	0.2	dg/min	ISO 1133
<b>Density</b>	960	kg/m <sup>3</sup>	ISO 1183
<b>Filler content</b>	10	%	SABIC method
<b>Mould shrinkage<sup>(1)</sup></b>			
24 hours after injection moulding	1.1 – 1.2	%	SABIC method
<b>MECHANICAL PROPERTIES</b>			
<b>Tensile test<sup>(2)</sup></b>			
stress at yield	50	MPa	ISO 527/1A
stress at break	40	MPa	ISO 527/1A
strain at break	8	%	ISO 527/1A
<b>Tensile modulus</b>			
at 23 °C	2400	MPa	ISO 527/1A
<b>Flexural test<sup>(3)</sup></b>			
Flexural modulus	2200	MPa	ISO 178
<b>Izod impact notched</b>			
at 23 °C	17	kJ/m <sup>2</sup>	ISO 180/1A
<b>THERMAL PROPERTIES</b>			
<b>Heat deflection temperature</b>			
at 1.80 MPa (HDT/A)	90	°C	ISO 75/A
at 0.45 MPa (HDT/B)	140	°C	ISO 75/B

(1) All measurements on injection molded samples.

(2) Speed of testing: 5 mm/min; Speciment ISO 527-1,4 mm

(3) 3-point loading

## QUALITY

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