

SABIC® PPCOMPOUND G3010A

PP SHORT GLASS FIBER REINFORCED
REGION EUROPE

DESCRIPTION

SABIC® 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® PPcompound G3010A is a designated automotive grade.

IMDS ID: 593191384

TYPICAL PROPERTY VALUES

Revision 20230421

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	0.2	dg/min	ISO 1133
Density	960	kg/m ³	ISO 1183
Filler content	10	%	SABIC method
Mould shrinkage ⁽¹⁾			
24 hours after injection moulding	1.1 – 1.2	%	SABIC method
MECHANICAL PROPERTIES			
Tensile test ⁽²⁾			
stress at yield	50	MPa	ISO 527/1A
stress at break	40	MPa	ISO 527/1A
strain at break	8	%	ISO 527/1A
Tensile modulus			
at 23 °C	2400	MPa	ISO 527/1A
Flexural test ⁽³⁾			
Flexural modulus	2200	MPa	ISO 178
Izod impact notched			
at 23 °C	17	kJ/m ²	ISO 180/1A
THERMAL PROPERTIES			
Heat deflection temperature			
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

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.



DISCLAIMER

Any sale by SABIC, its subsidiaries and affiliates (each a "seller"), is made exclusively under seller's standard conditions of sale (available upon request) unless agreed otherwise in writing and signed on behalf of the seller. While the information contained herein is given in good faith, SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND NONINFRINGEMENT OF INTELLECTUAL PROPERTY, NOR ASSUMES ANY LIABILITY, DIRECT OR INDIRECT, WITH RESPECT TO THE PERFORMANCE, SUITABILITY OR FITNESS FOR INTENDED USE OR PURPOSE OF THESE PRODUCTS IN ANY APPLICATION. Each customer must determine the suitability of seller materials for the customer's particular use through appropriate testing and analysis. No statement by seller concerning a possible use of any product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right.