

# SABIC® PPcompound G3230AE

Polypropylene Homopolymer

Saudi Basic Industries Corporation (SABIC)

## Message:

SABIC® PPcompound G3230AE is a 30% short glass fiber reinforced Polypropylene for unter-the-hood and structural applications. The base material is a PP homopolymer, optimized for low emission values. 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 G3230AE is a designated automotive grade.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Chemically Coupled		
	Fast Molding Cycle		
	Homopolymer		
	Low Emissions		
Uses	Automotive Applications		
	Automotive Under the Hood		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ISO 1133
Molding Shrinkage (24 hr)	0.60	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C, 4.00 mm, Injection Molded)	6500	MPa	ISO 527-2/1A/5
Tensile Stress (Break, 4.00 mm, Injection Molded)	97.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break, 4.00 mm, Injection Molded)	3.7	%	ISO 527-2/1A/5
Flexural Modulus <sup>1</sup> (Injection Molded)	6300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C, Injection Molded)	12	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C, Injection Molded)	53	kJ/m <sup>2</sup>	ISO 179/1eU
Notched Izod Impact Strength (23°C, Injection Molded)	12	kJ/m <sup>2</sup>	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	150	°C	ISO 75-2/A

CLTE - Flow		ASTM D696
-30 to 30°C	3.3E-5	cm/cm/°C
23 to 80°C	3.1E-5	cm/cm/°C
NOTE		

1. 3-point loading

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

