



# SABIC® PPCOMPOUND G3230X

PP SHORT GLASS FIBER REINFORCED

## DESCRIPTION

SABIC® PPcompound G3230X is a 30% 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. This material has been designed to have ultra high heat resistance.

SABIC® PPcompound G3230X is a designated automotive grade.

IMDS ID: 430974537

## TYPICAL PROPERTY VALUES

Revision 20180807

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
at 230 °C and 2.16 kg	12	dg/min	ISO 1133
<b>Density <sup>(1)</sup></b>	1120	kg/m³	ISO 1183
<b>Filler content</b>	30	%	SABIC method
<b>Mould shrinkage <sup>(2)</sup></b>			
24 hours after injection moulding	0.6	%	SABIC method
<b>MECHANICAL PROPERTIES <sup>(1)</sup></b>			
<b>Tensile test</b>			
Tensile modulus	6500	MPa	ISO 527/1A
stress at break	88	MPa	ISO 527/1A
strain at break	3.3	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	6600	MPa	ISO 178/1A
<b>Charpy Impact Strength Notched</b>			
at 23 °C	12	kJ/m²	ISO 179/1eA
<b>THERMAL PROPERTIES <sup>(1)</sup></b>			
<b>Heat deflection temperature</b>			
at 1.80 MPa (HDT/A)	150	°C	ISO 75
<b>Coeff. of linear thermal expansion</b>			
-30 °C to 100 °C	39	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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