

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

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate			
at 230 °C and 2.16 kg	12	dg/min	ISO 1133
Density ⁽¹⁾	1120	kg/m ³	ISO 1183
Filler content	30	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	0.6	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
Tensile modulus	6500	MPa	ISO 527/1A
stress at break	88	MPa	ISO 527/1A
strain at break	3.3	%	ISO 527/1A
Flexural test			
Flexural modulus	6600	MPa	ISO 178/1A
Charpy Impact Strength Notched			
at 23 °C	12	kJ/m ²	ISO 179/1eA
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 1.80 MPa (HDT/A)	150	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	39	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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