

SABIC® PPCOMPOUND T6GG3230A

PP COMPOUND SHORT GLASS FIBER

DESCRIPTION

SABIC PPcompound T6GG3230A is a 30% short glass fiber reinforced Polypropylene with 66% recycled PP for under-the-hood and structural applications. The base material is a PP homopolymer. 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 T6GG3230A is a designated automotive grade.

IMDS: 1277248464

TYPICAL PROPERTY VALUES

Revision 20251001

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	10	dg/min	ISO 1133
Density ⁽¹⁾	1130	kg/m³	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	6300	MPa	ISO 527/1A
stress at break	95	MPa	ISO 527/1A
strain at break	3	%	ISO 527/1A
Flexural test			
Flexural modulus	5900	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	9.5	kJ/m²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 1.80 MPa (HDT/A)	160	°C	ISO 75
at 0.45 MPa (HDT/B)	150	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	40	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

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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