

# SABIC® PP COMPOUND G3230UE

PP SHORT GLASS FIBER REINFORCED

## DESCRIPTION

SABIC® PP compound G3230UE is a 30% short glass fiber reinforced Polypropylene for structural applications. The base material is a PP homopolymer, optimized for low emission values. The glass fiber are chemically coupled to the PP matrix. This material has been designed to combine a good performance profile with excellent UV resistancy and good processing.

IMDS ID: 950058570

## TYPICAL PROPERTY VALUES

Revision 20230123

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
at 230 °C and 2.16 kg	15	dg/min	ISO 1133
<b>Density</b> <sup>(1)</sup>	1130	kg/m <sup>3</sup>	ISO 1183
<b>Filler content</b>	30	%	SABIC method
<b>Mould shrinkage</b> <sup>(2)</sup>			
24 hours after injection moulding	0.6	%	SABIC method
<b>MECHANICAL PROPERTIES</b> <sup>(1)</sup>			
<b>Tensile</b>			
stress at break	95	MPa	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	6900	MPa	ISO 178/1A
<b>Charpy Impact Strength Notched</b>			
at 23 °C	11	kJ/m <sup>2</sup>	ISO 179/1eA
<b>THERMAL PROPERTIES</b> <sup>(1)</sup>			
<b>Heat deflection temperature</b>			
at 1.80MPa (HDT/A)	150	°C	ISO 75/A
<b>Coeff. of linear thermal expansion</b>			
-30 °C to 100 °C	40	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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