

# SABIC® PPCOMPOUND G3225UX

PP SHORT GLASS FIBER REINFORCED

## DESCRIPTION

SABIC®PPcompound G3225UX is a 25% short glass fiber reinforced Polypropylene for structural applications. It offers an excellent resistance to UV. The base material is a PP homopolymer. The glass fibres are chemically coupled to the PP matrix. It is developed for injection molded applications. This material has been designed to combine a good performance profile with good processing

## TYPICAL PROPERTY VALUES

Revision 20230501

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
at 230 °C and 2.16 kg	3	dg/min	ISO 1133
<b>Density</b> <sup>(1)</sup>	1090	kg/m <sup>3</sup>	ISO 1183
<b>Filler content</b>	25	%	SABIC method
<b>Mould shrinkage</b> <sup>(2)</sup>			
24 hours after injection moulding	0.75	%	SABIC method
<b>MECHANICAL PROPERTIES</b> <sup>(1)</sup>			
<b>Tensile test</b>			
Tensile modulus	6000	MPa	ISO 527/1A
stress at break	75	MPa	ISO 527/1A
strain at break	3	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	6300	MPa	ISO 178/1A
<b>Izod impact notched</b> <sup>(3)</sup>			
at 23 °C	7.5	kJ/m <sup>2</sup>	ISO 180/1A
<b>THERMAL PROPERTIES</b> <sup>(1)</sup>			
<b>Heat deflection temperature</b>			
at 1.80 MPa (HDT/A)	145	°C	ISO 75
at 0.45 MPa (HDT/B)	160	°C	ISO 75
<b>Coeff. of linear thermal expansion</b>			
-30 °C to 100 °C	60	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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