

# SABIC® PP COMPOUND G3245UE

## PP COMPOUND MINERAL FILLED IMPACT MODIFIED

### DESCRIPTION

SABIC® PPcompound G3245UE is a 45wt% short glass fiber reinforced Polypropylene for sunroof water channel applications. This grade is high heat stabilized, UV resistance and low emission. The base material is a PP homopolymer and is available in standard black. The glass fibres are chemically coupled to the PP matrix

SABIC® PPcompound G3245UE is a designated automotive grade.

IMDS ID: 140675156

### TYPICAL PROPERTY VALUES

Revision 20210531

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
at 230 °C and 2.16 kg	4.5	dg/min	ISO 1133
<b>Density</b> <sup>(1)</sup>	1280	kg/m <sup>3</sup>	ISO 1183
<b>Filler content</b>	45	%	SABIC method
<b>Mould shrinkage</b> <sup>(2)</sup>			
24 hours after injection moulding	0.7	%	SABIC method
<b>MECHANICAL PROPERTIES</b> <sup>(1)</sup>			
<b>Tensile test</b>			
Tensile modulus	10400	MPa	ISO 527/1A
stress at break	116	MPa	ISO 527/1A
strain at break	2.8	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	10050	MPa	ISO 178/1A
<b>Izod impact notched</b> <sup>(3)</sup>			
at 23 °C	10	kJ/m <sup>2</sup>	ISO 180/1A
at 0 °C	10	kJ/m <sup>2</sup>	ISO 180/1A
at -20 °C	10	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)	160	°C	ISO 75

(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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