

SABIC® PPCOMPOUND 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

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	4.5	dg/min	ISO 1133
Density ⁽¹⁾	1280	kg/m³	ISO 1183
Filler content	45	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	0.7	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
Tensile modulus	10400	MPa	ISO 527/1A
stress at break	116	MPa	ISO 527/1A
strain at break	2.8	%	ISO 527/1A
Flexural test			
Flexural modulus	10050	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	10	kJ/m²	ISO 180/1A
at 0 °C	10	kJ/m²	ISO 180/1A
at -20 °C	10	kJ/m²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
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

