SABIC® PPCOMPOUND G3230UE

PP SHORT GLASS FIBER REINFORCED

DESCRIPTION

SABIC® PPcompound 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

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	15	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			
stress at break	95	MPa	ISO 527/1A
Flexural test			
Flexural modulus	6900	MPa	ISO 178/1A
Charpy Impact Strength Notched			
at 23 °C	11	kJ/m²	ISO 179/1eA
THERMAL PROPERTIES (1)			
Heat deflection temperature			
at 1.80MPa (HDT/A)	150	°C	ISO 75/A
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