

SABIC® PPCOMPOUND G3240A

PP SHORT GLASS FIBER REINFORCED

DESCRIPTION

SABIC® PPcompound G3240A is a 40% short glass fiber reinforced Polypropylene for under-the-hood and structural applications. 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 G3240A is a designated automotive grade.

IMDS ID: 139448304

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	7.5	dg/min	ISO 1133
Density ⁽¹⁾	1220	kg/m³	ISO 1183
Filler content	40	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	0.6	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile			
Tensile modulus	8900	MPa	ISO 527/1A
stress at break	110	MPa	ISO 527/1A
stress at strain	2.9	%	ISO 527/1A
Flexural test			
Flexural modulus	8900	MPa	ISO 178/1A
Izod impact notched			
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)	153	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	42	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

