

SABIC® PP COMPOUND G3240U

PP SHORT GLASS FIBER REINFORCED

DESCRIPTION

SABIC® PP compound G3240U is a general purpose, 40% glass filled, chemically coupled, heat stabilized and UV stabilized homopolymer polypropylene compound.

IMDS ID: 209768078

TYPICAL PROPERTY VALUES

Revision 20180807

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	5	dg/min	ISO 1133
Density ⁽¹⁾	1220	kg/m ³	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
Charpy Impact Strength Notched			
at 23 °C	10	kJ/m ²	ISO 179/1eA
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

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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