

SABIC® PPCOMPOUND G1620B

PP SHORT GLASS FIBER REINFORCED

DESCRIPTION

SABIC®PPcompound G1620B is a low flow PP random co-polymer with glass fibers for multi-layer PPR-GF composite pipe applications. This material has been designed to combine good performance properties with good processing and excellent surface esthetics.

SABIC®PPcompound G1620B is a designated pipe grade.

TYPICAL PROPERTY VALUES

Revision 20230421

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	0.3	dg/min	ISO 1133
Density ⁽¹⁾	1030	kg/m ³	ISO 1183
Filler content	20	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
Tensile modulus	3200	MPa	ISO 527/1A
stress at break	45	MPa	ISO 527/1A
strain at break	7	%	ISO 527/1A
Flexural test			
Flexural modulus	2800	MPa	ISO 178
Izod impact notched ⁽²⁾			
at 23 °C	17	kJ/m ²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 1.80 MPa (HDT/A)	-	°C	ISO 75/A
at 0.45 MPa (HDT/B)	-	°C	ISO 75/B
Coeff. of linear thermal expansion			
-30 °C to 100 °C	-	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) 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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