SABIC® PPCOMPOUND G1620A

PP SHORT GLASS FIBER REINFORCED

DESCRIPTION

SABIC® PPcompound G1620A is a low flow PP random copolymer with 20% glass fibers for multi-layer pipe applications.
This material has been designed to combine a good performance profile with good processing.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate			
at 230 °C and 2.16 kg	3	dg/min	ISO 1133
Density (1)	1040	kg/m³	ISO 1183
Filler content	20	%	SABIC method
Mould shrinkage (2)			
24 hours after injection moulding	0.9	%	SABIC method
MECHANICAL PROPERTIES (1)			
Tensile test			
Tensile modulus	3200	MPa	ISO 527/1A
stress at break	55	MPa	ISO 527/1A
strain at break	6	%	ISO 527/1A
Flexural test			
Flexural modulus	3100	MPa	ISO 178
THERMAL PROPERTIES (1)			
Heat deflection temperature			
at 1.80 MPa (HDT/A)	150	°C	ISO 75/A
Coeff. of linear thermal expansion			
-30 °C to 100 °C	-	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A
(2) Injection molded plaque 65x65x3.2mm

QUALITY

SABIC is fully certified in accordance with the internationally accepted quality standard ISO9001.

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.