



# SABIC<sup>®</sup> PPCOMPOUND G1640A

PP SHORT GLASS FIBER REINFORCED

## DESCRIPTION

SABIC<sup>®</sup> PPcompound G1640A is a low flow PP random copolymer with 40% glass fibers for multi-layer pipe applications. This material has been designed to combine a good performance profile with good processing.

## TYPICAL PROPERTY VALUES

Revision 20181012

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate</b>			
at 230 °C and 2.16 kg	1.5	dg/min	ISO 1133
<b>Density</b> <sup>(1)</sup>	1220	kg/m <sup>3</sup>	ISO 1183
<b>Filler content</b>	40	%	SABIC method
<b>Mould shrinkage</b> <sup>(2)</sup>			
24 hours after injection moulding	0.8	%	SABIC method
<b>MECHANICAL PROPERTIES</b> <sup>(1)</sup>			
<b>Tensile test</b>			
Tensile modulus	6000	MPa	ISO 527/1A
stress at break	70	MPa	ISO 527/1A
strain at break	3.6	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	6300	MPa	ISO 178/1A
<b>THERMAL PROPERTIES</b> <sup>(1)</sup>			
<b>Heat deflection temperature</b>			
at 1.80 MPa (HDT/A)	150	°C	ISO 75/A
<b>Coeff. of linear thermal expansion</b>			
-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.



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