

# SABIC® PPCOMPOUND 19C1040

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

## DESCRIPTION

SABIC® PPcompound 19C1040 is a 40% mineral filled polypropylene homopolymer development grade utilizing Calcium Carbonate as a filler. The material is highly filled to increase stiffness.

This grade offers a good flow with UV stablization which fits appliances market needs where injection molding parts are exposed to UV conditions.

## TYPICAL PROPERTY VALUES

Revision 20230220

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
At 230 °C and 2.16 kg	16	dg/min	ISO 1133
<b>Density</b> <sup>(1)</sup>	1215	kg/m³	ISO 1183
<b>Filler content</b>	40	%	SABIC method
<b>Mould shrinkage</b> <sup>(2)</sup>			
24 hours after injection moulding	1.1	%	SABIC method
<b>MECHANICAL PROPERTIES</b> <sup>(1)</sup>			
<b>Tensile test</b>			
Tensile modulus	2400	MPa	ISO 527/1A
Stress at yield	19	MPa	ISO 527/1A
Stress at break	13	MPa	ISO 527/1A
Strain at break	7	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	2800	MPa	ISO 178/1A
<b>Izod impact notched</b> <sup>(3)</sup>			
At 23 °C	1.8	kJ/m²	ISO 180/1A
At 0 °C	-	kJ/m²	ISO 180/1A
At -20 °C	-	kJ/m²	ISO 180/1A
<b>THERMAL PROPERTIES</b> <sup>(1)</sup>			
<b>Heat deflection temperature</b>			
At 1.80 MPa (HDT/A)	-	°C	ISO 75
At 0.45 MPa (HDT/B)	-	°C	ISO 75

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) 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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