







# 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
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
At 230 °C and 2.16 kg	16	dg/min	ISO 1133
Density <sup>(1)</sup>	1215	kg/m³	ISO 1183
Filler content	40	%	SABIC method
Mould shrinkage (2)			
24 hours after injection moulding	1.1	%	SABIC method
MECHANICAL PROPERTIES (1)			
Tensile test			
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
Flexural test			
Flexural modulus	2800	MPa	ISO 178/1A
Izod impact notched <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
THERMAL PROPERTIES (1)			
Heat deflection temperature			
At 1.80 MPa (HDT/A)	-	°C	ISO 75
At 0.45 MPa (HDT/B)	-	°C	ISO 75

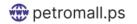
<sup>(1)</sup> Injection molded sample ISO527-1A

## 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.

<sup>(2)</sup> Injection molded plaque 65x65x3.2mm

<sup>(3)</sup> N.B.: No Break







#### **DISCLAIMER**

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