

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 ⁽¹⁾	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 ⁽³⁾			
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

(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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CHEMISTRY THAT MATTERS™



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