



# SABIC® PPCOMPOUND 19T1020U

PP COMPOUND MINERAL FILLED

## DESCRIPTION

SABIC® PPcompound 19T1020U is a general purpose, talcum filled grade. This homopolymer polypropylene compound is long term heat and uv stabilized, making it very suitable for example for E&E applications. This compound exhibits high flow and is suitable for injection molding applications.

IMDS ID: 163255030

## TYPICAL PROPERTY VALUES

Revision 20230607

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
at 230 °C and 2.16 kg	18	dg/min	ISO 1133
<b>Density <sup>(1)</sup></b>	1050	kg/m <sup>3</sup>	ISO 1183
<b>Filler content</b>	20	%	SABIC method
<b>Mould shrinkage <sup>(2)</sup></b>			
24 hours after injection moulding	0.95	%	SABIC method
<b>MECHANICAL PROPERTIES <sup>(1)</sup></b>			
<b>Tensile</b>			
Tensile modulus	3200	MPa	ISO 527/1A
stress at yield	36	MPa	ISO 527/1A
stress at break	32	MPa	ISO 527/1A
strain at break	10.5	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	3200	MPa	ISO 178/1A
<b>Izod impact notched <sup>(3)</sup></b>			
at 23 °C	2.0	kJ/m <sup>2</sup>	ISO 180/1A
at 0 °C	1.5	kJ/m <sup>2</sup>	ISO 180/1A
at -20 °C	1.0	kJ/m <sup>2</sup>	ISO 180/1A
<b>THERMAL PROPERTIES <sup>(1)</sup></b>			
<b>Heat deflection temperature</b>			
at 1.80 MPa (HDT/A)	73	°C	ISO 75
at 0.45 MPa (HDT/B)	128	°C	ISO 75
<b>Coeff. of linear thermal expansion</b>			
-30 °C to 100 °C	58	µm/mK	ISO 11359-2
<b>FLAMMABILITY PROPERTIES</b>			
<b>GWFI</b>			
3.0mm	750	°C	IEC 60695-2-12

(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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