

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
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	18	dg/min	ISO 1133
Density ⁽¹⁾	1050	kg/m³	ISO 1183
Filler content	20	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	0.95	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile			
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
Flexural test			
Flexural modulus	3200	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	2.0	kJ/m²	ISO 180/1A
at 0 °C	1.5	kJ/m²	ISO 180/1A
at -20 °C	1.0	kJ/m²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 1.80 MPa (HDT/A)	73	°C	ISO 75
at 0.45 MPa (HDT/B)	128	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	58	µm/mK	ISO 11359-2
FLAMMABILITY PROPERTIES			
GWFI			
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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