

# SABIC® PPCOMPOUND 1650U

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

## DESCRIPTION

'SABIC® PPcompound 1650U is a high impact polypropylene with good impact resistance, high flow and is very resistant to UV. Because of this unique and well balanced property profile the material is most suited for the building and construction market.

## TYPICAL PROPERTY VALUES

Revision 20211206

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
at 230 °C and 2.16 kg	14	dg/min	ISO 1133
<b>Density <sup>(1)</sup></b>	915	kg/m <sup>3</sup>	ISO 1183
<b>Filler content</b>	2.5	%	SABIC method
<b>Mould shrinkage <sup>(2)</sup></b>			
24 hours after injection moulding	1.4	%	SABIC method
<b>MECHANICAL PROPERTIES <sup>(1)</sup></b>			
<b>Tensile test</b>			
Tensile modulus	990	MPa	ISO 527/1A
stress at yield	19	MPa	ISO 527/1A
stress at break	16	MPa	ISO 527/1A
strain at break	350	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	1000	MPa	ISO 178/1A
<b>Izod impact notched <sup>(3)</sup></b>			
at 23 °C	NB	kJ/m <sup>2</sup>	ISO 180/1A
at 0 °C		kJ/m <sup>2</sup>	ISO 180/1A
at -20 °C		kJ/m <sup>2</sup>	ISO 180/1A
<b>THERMAL PROPERTIES <sup>(1)</sup></b>			
<b>Heat deflection temperature</b>			
at 0.45 MPa (HDT/B)	84	°C	ISO 75
<b>Coeff. of linear thermal expansion</b>			
-30 °C to 100 °C	131	µm/mK	ISO 11359-2

(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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