

SABIC® PPCOMPOUND 1301U

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC® PPcompound 1301U is a talcum filled polypropylene compound. This material has been designed to combine very high flow, high modulus in combination with good surface aesthetics, making it suitable for consumer goods applications. The material is UV stabilized.

TYPICAL PROPERTY VALUES

Revision 20221128

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
At 230 °C and 2.16 kg	25	dg/min	ISO 1133
Density ⁽¹⁾	970	kg/m³	ISO 1183
Filler content	10	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	1.2	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
Tensile modulus	2300	MPa	ISO 527/1A
Stress at yield	35	MPa	ISO 527/1A
Stress at break	35	MPa	ISO 527/1A
Strain at break	14	%	ISO 527/1A
Flexural test			
Flexural modulus	2400	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
At 23 °C	3	kJ/m²	ISO 180/1A

(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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