

# SABIC® PPCOMPOUND 1600

PP COMPOUND IMPACT MODIFIED

## DESCRIPTION

SABIC®PPcompound 1600 is a medium flow, UV stabilized PP copolymer, developed for outdoor consumer injection molded applications. This material has been designed to combine a good performance profile with good processing.

SABIC® PPcompound 1600 is a designated injection molding grade for consumer applications.

## 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	3.7	dg/min	ISO 1133
<b>Density</b> <sup>(1)</sup>	907	kg/m³	ISO 1183
<b>Filler content</b>	0	%	SABIC method
<b>Mould shrinkage</b> <sup>(2)</sup>			
24 hours after injection moulding	1.3	%	SABIC method
<b>MECHANICAL PROPERTIES</b> <sup>(1)</sup>			
<b>Tensile test</b>			
Tensile modulus	1250	MPa	ISO 527/1A
stress at yield	23	MPa	ISO 527/1A
stress at break	17	MPa	ISO 527/1A
strain at break	157	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	1300	MPa	ISO 178/1A
<b>Izod impact notched</b> <sup>(3)</sup>			
at 23 °C	52	kJ/m²	ISO 180/1A
at -20 °C	6.2	kJ/m²	ISO 180/1A
<b>THERMAL PROPERTIES</b> <sup>(1)</sup>			
<b>Heat deflection temperature</b>			
at 0.45 MPa (HDT/B)	101	°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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