

# SABIC<sup>®</sup> PPCOMPOUND 3010UE

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

## DESCRIPTION

SABIC<sup>®</sup> PPcompound 3010UE is an elastomer-modified mineral filled Polypropylene for automotive exterior applications. This material has been designed to combine high flow and high modulus in combination with good surface esthetics and emission, and makes this grade suitable for exterior applications, like cowl top panels.

SABIC<sup>®</sup> PPcompound 3010UE is a designated automotive grade.

## TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt flow rate (MFR)</b>			
at 230 °C and 2.16 kg	30	dg/min	ISO 1133
<b>Density</b> <sup>(1)</sup>	960	kg/m <sup>3</sup>	ISO 1183
<b>Filler content</b>	10	%	SABIC method
<b>Mould shrinkage</b> <sup>(2)</sup>			
24 hours after injection moulding	1.1	%	SABIC method
<b>MECHANICAL PROPERTIES</b> <sup>(1)</sup>			
<b>Tensile test</b>			
Tensile modulus	2000	MPa	ISO 527/1A
stress at yield	28	MPa	ISO 527/1A
stress at break	21	MPa	ISO 527/1A
strain at break	15	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	2100	MPa	ISO 178/1A
<b>Izod impact notched</b> <sup>(3)</sup>			
at 23 °C	5	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</b> <sup>(1)</sup>			
<b>Heat deflection temperature</b>			
at 1.80 MPa (HDT/A)	-	°C	ISO 75
at 0.45 MPa (HDT/B)	-	%	ISO 75
<b>Coeff. of linear thermal expansion</b>			
-30 °C to 100 °C	-	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

