

# SABIC<sup>®</sup> PPCOMPOUND 95610CSU10

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

## DESCRIPTION

SABIC<sup>®</sup> PPcompound 95610CSU10 is a mineral filled modified polypropylene. SABIC<sup>®</sup> PPcompound 95610CSU10 is a material with a high impact and stiffness. The material is part of the SABIC<sup>®</sup> PP CS systems and also available as a CS system: using a mixture of 80% SABIC<sup>®</sup> PP 95610 and 20% SABIC<sup>®</sup> PPcompound 20MBTFU yields similar properties as listed below.

SABIC<sup>®</sup> PPcompound 95610CSU10 is a designated automotive grade.

IMDS ID: 16485548

## 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	5.4	dg/min	ISO 1133
<b>Density <sup>(1)</sup></b>	961	kg/m <sup>3</sup>	ISO 1183
<b>Filler content</b>	10	%	SABIC method
<b>Mould shrinkage <sup>(2)</sup></b>			
24 hours after injection moulding	1.2	%	SABIC method
<b>MECHANICAL PROPERTIES <sup>(1)</sup></b>			
<b>Tensile test</b>			
Tensile modulus	1050	MPa	ISO 527/1A
stress at yield	17	MPa	ISO 527/1A
stress at break	19	MPa	ISO 527/1A
strain at break	700	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	1100	MPa	ISO 178/1A
<b>Izod impact notched <sup>(3)</sup></b>			
at 23 °C	N.B.	kJ/m <sup>2</sup>	ISO 180/1A
at 0 °C	N.B.	kJ/m <sup>2</sup>	ISO 180/1A
at -20 °C	10	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)	80	°C	ISO 75
<b>Coeff. of linear thermal expansion</b>			
23 °C to 80 °C	110	µm/mK	ASTM D696
-30 °C to 30 °C	-	µm/mK	ASTM D696

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

