

# SABIC® PPCOMPOUND 95610CS20

PP REACTOR ELASTOMER MODIFIED MINERAL FILLED

## DESCRIPTION

SABIC® PP customized solution (CS) is a concept based on a reactor elastomer-modified PP combined with a talcum filled masterbatch mixed at the injection-molding machine. SABIC® PP CS offers a low cost customized solution. The SABIC® PP CS concept offers optimal flexibility by creating the possibility to correct dimensions, if needed, in a fast, reliable and accurate way without affecting material logistics. This properties table contains typical values for SABIC® PP CS systems with 40% talcum masterbatch resulting in a material with 20% talcum. The polymer used is SABIC® PP 95610 and the masterbatch is the SABIC® PP compound 20MBT.

IMDS ID: 16487435

## TYPICAL PROPERTY VALUES

Revision 20180807

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
at 230 °C and 2.16 kg	4.8	dg/min	ISO 1133
<b>Density</b> <sup>(1)</sup>	1040	kg/m <sup>3</sup>	ISO 1183
<b>Mould shrinkage</b> <sup>(2)</sup>			
24 hours after injection moulding	0.9	%	SABIC method
<b>MECHANICAL PROPERTIES</b> <sup>(1)</sup>			
<b>Tensile test</b>			
Tensile modulus	1250	MPa	ISO 527/1A
stress at yield	17	MPa	ISO 527/1A
stress at break	18	MPa	ISO 527/1A
strain at break	600	%	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	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	9	kJ/m <sup>2</sup>	ISO 180/1A
<b>THERMAL PROPERTIES</b> <sup>(1)</sup>			
<b>Heat deflection temperature</b>			
at 0.45 MPa (HDT/B)	90	°C	ISO 75
<b>Coeff. of linear thermal expansion</b>			
23 °C to 80 °C	90	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

## 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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