

# SABIC<sup>®</sup> PPCOMPOUND 108CS15

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

## DESCRIPTION

SABIC<sup>®</sup> PPcompound 108CS15 is a material with good flow, 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 70% SABIC<sup>®</sup> PP 108MF10 and 30% SABIC<sup>®</sup> PPcompound 20MBT yields similar properties as listed below.

SABIC<sup>®</sup> PPcompound 108CS15 is a designated automotive grade.

IMDS ID: 312967703

## 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	7	dg/min	ISO 1133
<b>Density</b> <sup>(1)</sup>	1000	kg/m <sup>3</sup>	ISO 1183
<b>Filler content</b>	15	%	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	1350	MPa	ISO 527/1A
stress at yield	16	MPa	ISO 527/1A
stress at break	12	MPa	ISO 527/1A
strain at break	80	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	1400	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	55	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 0.45 MPa (HDT/B)	105	°C	ISO 75
<b>Coeff. of linear thermal expansion</b>			
-30 °C to 100 °C	83	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

