

SABIC® PPCOMPOUND 108CS15

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC® PPcompound 108CS15 is a material with good flow, impact and stiffness. The material is part of the SABIC® PP CS systems and also available as a CS system: using a mixture of 70% SABIC® PP 108MF10 and 30% SABIC® PPcompound 20MBT yields similar properties as listed below.

SABIC® PPcompound 108CS15 is a designated automotive grade.

IMDS ID: 312967703

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	7	dg/min	ISO 1133
Density ⁽¹⁾	1000	kg/m³	ISO 1183
Filler content	15	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	1.1	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
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
Flexural test			
Flexural modulus	1400	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	N.B.	kJ/m²	ISO 180/1A
at 0 °C	55	kJ/m²	ISO 180/1A
at -20 °C	-	kJ/m²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 0.45 MPa (HDT/B)	105	°C	ISO 75
Coeff. of linear thermal expansion			
-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

