

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 20260316

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	4.8	dg/min	ISO 1133
Density ⁽¹⁾	1040	kg/m³	ISO 1183
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	0.9	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
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
Flexural test			
Flexural modulus	1300	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	N.B.	kJ/m²	ISO 180/1A
at 0 °C	N.B.	kJ/m²	ISO 180/1A
at -20 °C	9	kJ/m²	ISO 180/1A
Charpy Impact Strength Notched			
at 23 °C	N.B.	kJ/m²	ISO 179/1eA
Charpy impact unnotched			
at -40 °C	N.B.	kJ/m²	ISO 179/1eU
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 0.45 MPa (HDT/B)	90	°C	ISO 75
Coeff. of linear thermal expansion			
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

© 2026 Copyright by SABIC. All rights reserved

CHEMISTRY THAT MATTERS™



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.

DISCLAIMER

Any sale by SABIC, its subsidiaries and affiliates (each a "seller"), is made exclusively under seller's standard conditions of sale (available upon request) unless agreed otherwise in writing and signed on behalf of the seller. While the information contained herein is given in good faith, SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND NONINFRINGEMENT OF INTELLECTUAL PROPERTY, NOR ASSUMES ANY LIABILITY, DIRECT OR INDIRECT, WITH RESPECT TO THE PERFORMANCE, SUITABILITY OR FITNESS FOR INTENDED USE OR PURPOSE OF THESE PRODUCTS IN ANY APPLICATION. Each customer must determine the suitability of seller materials for the customer's particular use through appropriate testing and analysis. No statement by seller concerning a possible use of any product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right.

PETROMALL

