

SABIC® PPCOMPOUND 9116

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC® PPCOMPOUND 9116 is an elastomer-modified mineral filled Polypropylene for automotive interior applications. This material combines high scratch resistance, high impact and good cold temperature ductility. Typical applications include esthetical automotive interior parts such as instrument panels with deployable passenger airbag.

SABIC® PPc 9116 is a designated automotive grade.

IMDS ID: 482237809

TYPICAL PROPERTY VALUES

Revision 20250619

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	9	dg/min	ISO 1133
Density ⁽¹⁾	1020	kg/m³	ISO 1183
Filler content	18	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	0.6	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
Tensile modulus	1500	MPa	ISO 527/1A
stress at yield	17	MPa	ISO 527/1A
stress at break	13	MPa	ISO 527/1A
strain at break	200	%	ISO 527/1A
Flexural test			
Flexural modulus	1550	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	50	kJ/m²	ISO 180/1A
at 0 °C	-	kJ/m²	ISO 180/1A
at -20 °C	5.5	kJ/m²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 0.45 MPa (HDT/B)	-	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	64	µm/mK	ISO 11359-2

(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.

© 2025 Copyright by SABIC. All rights reserved

CHEMISTRY THAT MATTERS™



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.

