

SABIC® PP COMPOUND F9022

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

Preliminary datasheet

SABIC® PPcompound F9022 is an elastomer-modified mineral filled Polypropylene for automotive interior applications. This material has been designed to combine a good performance profile with good processing. This material is designed for intended use in foamed interior applications. Datasheet values are based on standard, solid specimen.

SABIC® PPcompound F9022 is a designated automotive grade.

IMDS ID: 963564711

TYPICAL PROPERTY VALUES

Revision 20201030

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	12	dg/min	ISO 1133
Density ⁽¹⁾	1060	kg/m ³	ISO 1183
Filler content	22	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	0.8	%	SABIC method
MECHANICAL PROPERTIES ^{(1) (3)}			
Tensile			
Tensile modulus	1950	MPa	ISO 527/1A
stress at yield	20	MPa	ISO 527/1A
stress at break	13	MPa	ISO 527/1A
strain at break	80	%	ISO 527/1A
Flexural test			
Flexural modulus	2050	MPa	ISO 178/1A
Izod impact notched ⁽⁴⁾			
at 23 °C	N.B.	kJ/m ²	ISO 180/1A
at 0 °C	20	kJ/m ²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 1.8 MPa (HDT/A)	59	°C	ISO 75
at 0.45 MPa (HDT/B)	107	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100°C	85	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

(4) U-shaped notch; 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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