SABIC® PPCOMPOUND 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

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/m³	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/m²	ISO 180/1A
at 0 °C	20	kJ/m²	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