

SABIC® PP COMPOUND MB7450

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC® PP compound MB7450 is a mineral filled modified polypropylene. The intended use of this material is in molding it in 1 to 1 ratio with SABIC® PP 90910 and as such not designed for sole use in applications. Using the material in the intended way will result in a molded part with a material with a property profile like SABIC® PP compound 7450.

SABIC® PP compound MB7450 is a designated automotive grade.

IMDS ID: 78695235

TYPICAL PROPERTY VALUES

Revision 20211207

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	25	dg/min	ISO 1133
Density ⁽¹⁾	1100	kg/m ³	ISO 1183
Filler content	25	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	-	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
Tensile modulus	1250	MPa	ISO 527/1A
stress at yield	18	MPa	ISO 527/1A
stress at break	18	MPa	ISO 527/1A
strain at break	300	%	ISO 527/1A
Flexural test			
Flexural modulus	1300	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	-	kJ/m ²	ISO 180/1A
at 0 °C	-	kJ/m ²	ISO 180/1A
at -20 °C	10	kJ/m ²	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	-	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.

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