

SABIC® PP COMPOUND 9152

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC® PPcompound 9152 is a mineral filled modified polypropylene. This material combines high scratch resistance, high stiffness, good impact and high flow. Typical applications include esthetical automotive interior parts such as instrument panels, lower and upper dashboard, door panels and trim.

SABIC® PPcompound 9152 is a designated automotive grade.

IMDS ID: 180828769

TYPICAL PROPERTY VALUES

Revision 20230313

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	14	dg/min	ISO 1133
Density ⁽¹⁾	1000	kg/m ³	ISO 1183
Filler content	15	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	0.9	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
Tensile modulus	1800	MPa	ISO 527/1A
stress at yield	22	MPa	ISO 527/1A
stress at break	18	MPa	ISO 527/1A
strain at break	30	%	ISO 527/1A
Flexural test			
Flexural modulus	2000	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	18	kJ/m ²	ISO 180/1A
at 0 °C	8	kJ/m ²	ISO 180/1A
at -20 °C	6	kJ/m ²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 0.45 MPa (HDT/B)	120	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	75	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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