SABIC® PPCOMPOUND 7510

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC® PPcompound 7510 is a mineral filled modified polypropylene. This material combines high flow, good impact and a high stiffness level with a low shrinkage and CLTE. This material has a very broad processing window and good esthetical performance. Typical applications include automotive exterior parts such as large thin wall zero gap bumper designs but also lateral siding and bumper strips. It can be used in painted and unpainted applications with UV stabilization added on demand.

SABIC® PPcompound 7510 is a designated automotive grade.

IMDS ID: 16486115

TYPICAL PROPERTY VALUES

Revision 20181012

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt flow rate (MFR)			
at 230 °C and 2.16 kg	17	dg/min	ISO 1133
Density (1)	960	kg/m³	ISO 1183
Filler content	10	%	SABIC method
Mould shrinkage (2)			
24 hours after injection moulding	0.9	%	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	15	MPa	ISO 527/1A
strain at break	100	%	ISO 527/1A
Flexural test			
Flexural modulus	1300	MPa	ISO 178/1A
Izod impact notched (3)			
at 23 °C	N.B.	kJ/m²	ISO 180/1A
at 0 °C	N.B.	kJ/m²	ISO 180/1A
at -20 °C	10	kJ/m²	ISO 180/1A
THERMAL PROPERTIES (1)			
Heat deflection temperature			
at 0.45 MPa (HDT/B)	100	°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

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QUALITY

SABIC is fully certified in accordance with the internationally accepted quality standard ISO9001.

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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