SABIC® PPCOMPOUND 9510

PP COMPOUND MF IMPACT MODIFIED
REGION EUROPE

DESCRIPTION

SABIC® PPcompound 9510 is a mineral filled modified polypropylene. The grade was developed to comply to the Toyota TSM5608G-5 specification (TSOP5). The specificiation asks for a material with high impact, modulus and flow.

SABIC® PPcompound 9510 is a designated automotive grade.

IMDS ID: 115845691

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt flow rate (MFR)			
at 230 °C and 2.16 kg	30	dg/min	ISO 1133
Density (1)	1055	kg/m³	ISO 1183
Filler content	20	%	SABIC method
Mould shrinkage (2)			
24 hours after injection moulding	0.75	%	SABIC method
MECHANICAL PROPERTIES (1)			
Tensile test			
Tensile modulus	2050	MPa	ISO 527/1A
stress at yield	20.4	MPa	ISO 527/1A
stress at break	13.6	MPa	ISO 527/1A
strain at break	21.4	%	ISO 527/1A
Flexural test			
Flexural modulus	2200	MPa	ISO 178/1A
Izod impact notched (3)			
at 23 °C	35	kJ/m²	ISO 180/1A
at 0 °C	10	kJ/m²	ISO 180/1A
at -20 °C	4.5	kJ/m²	ISO 180/1A
THERMAL PROPERTIES (1)			
Heat deflection temperature			
at 0.45 MPa (HDT/B)	105	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	55	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A
(2) Injection molded plaque 65x65x3.2mm
(3) N.B.: No Break

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.