

SABIC[®] PPCOMPOUND 9710

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC[®] PPcompound 9710 is a mineral filled, impact modified polypropylene TPO. This material combines high impact resistance, scratch resistance, and heat stability with interior automotive UV stability. This material can exhibit ductility at temperatures as low as 0 degrees C.

IMDS ID: 164207488

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt flow rate (MFR)			
at 230 °C and 2.16 kg	20	dg/min	ISO 1133
Density ⁽¹⁾	1040	kg/m ³	ISO 1183
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	0.9	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile			
Tensile modulus	1920	MPa	ISO 527/1A
stress at yield	20	MPa	ISO 527/1A
stress at break	14	MPa	ISO 527/1A
strain at break	23	%	ISO 527/1A
Flexural test			
Flexural modulus	2020	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	18	kJ/m ²	ISO 180/1A
at 0 °C	6	kJ/m ²	ISO 180/1A
at -20 °C	4	kJ/m ²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 1.80 MPa (HDT/A)	59	°C	ISO 75
at 0.45 MPa (HDT/B)	109	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	49	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.

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