

SABIC[®] PPCOMPOUND 5310

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC[®] PPcompound 5310 is a mineral filled, impact modified polypropylene TPO. This material combines scratch resistance and heat stability with exterior automotive weathering stability.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt flow rate (MFR)			
at 230 °C and 2.16 kg	19	dg/min	ISO 1133
Density ⁽¹⁾	960	kg/m ³	ISO 1183
Filler content	8	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	1.1	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile			
Tensile modulus	1310	MPa	ISO 527/1A
stress at yield	21	MPa	ISO 527/1A
stress at break	14	MPa	ISO 527/1A
strain at break	60	%	ISO 527/1A
Flexural test			
Flexural modulus	1310	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	26	kJ/m ²	ISO 180/1A
at 0 °C	-	kJ/m ²	ISO 180/1A
at -20 °C	3	kJ/m ²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 1.80 MPa (HDT/A)	55	°C	ISO 75
at 0.45 MPa (HDT/B)	92	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	99	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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