

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.

IMDS ID: 209727767

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.