

SABIC® PPCOMPOUND 3710E

PP COMPOUND MINERAL FILLED

DESCRIPTION

Preliminary Datasheet

SABIC® PPcompound 3710E is an emission optimized mineral filled Polypropylene for automotive interior applications. SABIC® PPcompound 3710E is a designated automotive grade.

IMDS ID: 962253510

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	37	dg/min	ISO 1133
Density ⁽¹⁾	970	kg/m ³	ISO 1183
Filler content	10	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	1.15	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
Tensile modulus	2000	MPa	ISO 527/1A
stress at yield	3	MPa	ISO 527/1A
stress at break	21	MPa	ISO 527/1A
strain at break	17	%	ISO 527/1A
Flexural test			
Flexural modulus	2000	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	5	kJ/m ²	ISO 180/1A
at 0 °C	4	kJ/m ²	ISO 180/1A
at -20 °C	3	kJ/m ²	ISO 180/1A
Charpy Impact Strength Notched			
at 23 °C	5	kJ/m ²	ISO 179/1eA
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 0.45 MPa (HDT/B)	110	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	90	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

