

SABIC® PPCOMPOUND 2609B

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC® PPcompound 2609B is a mineral filled modified polypropylene. Typical material properties include good stiffness and impact. Typical applications include automotive exterior trims such as lateral siding. It can be used in painted and unpainted applications.

SABIC® PPcompound 2609B is a designated automotive grade.

IMDS ID: 554796047

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	15	dg/min	ISO 1133
Density ⁽¹⁾	1120	kg/m ³	ISO 1183
Filler content	27	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	0.9	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
Tensile modulus	1250	MPa	ISO 527/1A
stress at yield	28	MPa	ISO 527/1A
stress at break	15	MPa	ISO 527/1A
strain at break	10	%	ISO 527/1A
Flexural test			
Flexural modulus	1300	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	25	kJ/m ²	ISO 180/1A
at 0 °C	15	kJ/m ²	ISO 180/1A
at -20 °C	5	kJ/m ²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 1.80 MPa (HDT/A)	-	°C	ISO 75
at 0.45 MPa (HDT/B)	105	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	-	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

