

SABIC® PPCOMPOUND 8609U

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC® PPcompound 8609U is an elastomer-modified mineral filled Polypropylene for automotive exterior applications. This material has been designed to combine high modulus and high impact with good processing.

SABIC® PPcompound 8609U is a designated automotive grade.

IMDS ID: 967434899

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	27	dg/min	ISO 1133
Density ⁽¹⁾	1130	kg/m³	ISO 1183
Filler content	29	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	0.6	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
Tensile modulus	1600	MPa	ISO 527/1A
Stress at yield	17	MPa	ISO 527/1A
Stress at break	11	MPa	ISO 527/1A
Strain at break	66	%	ISO 527/1A
Flexural test			
Flexural modulus	1900	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	17	kJ/m²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 1.80 MPa (HDT/A)	65	°C	ISO 75
at 0.45 MPa (HDT/B)	115	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	106	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

