

SABIC[®] PPCOMPOUND 8750MB1

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC[®] PPcompound 8750MB1 is an elastomer-modified mineral filled Polypropylene for painted automotive exterior applications. When mixed together with 8750MB2 (in ration 40/60) the property profile of SABIC PPC 8750 (see datasheet 8750U) will be reached.

SABIC[®] PPcompound 8750MB1 is a designated automotive grade.

IMDS ID: 445833097

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt flow rate (MFR)			
at 230 °C and 2.16 kg	10	dg/min	ISO 1133
Density ⁽¹⁾	1250	kg/m ³	ISO 1183
Filler content	40	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	-	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile			
Tensile modulus	2900	MPa	ISO 527/1A
stress at yield	-	MPa	ISO 527/1A
stress at break	-	MPa	ISO 527/1A
strain at break	-	%	ISO 527/1A
Flexural test			
Flexural modulus	3000	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	-	kJ/m ²	ISO 180/1A
at 0 °C	-	kJ/m ²	ISO 180/1A
at -20 °C	-	kJ/m ²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 0.45 MPa (HDT/B)	-	°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

