

SABIC® PPCOMPOUND 8632

PP COMPOUND MF IMPACT MODIFIED
REGION EUROPE

DESCRIPTION

SABIC® PPcompound 8632 is a development grade, mineral filled elastomer modified Polypropylene. Typical material properties include combination of good flow and excellent balance between impact and stiffness with additional advantage of low CLTE. Typical applications include large and complex automotive exterior parts such as bumpers.

SABIC® PPcompound 8632 is a designated automotive grade.

IMDS ID: 611687270

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt flow rate (MFR)			
at 230 °C and 2.16 kg	20	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	0.85	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
Tensile modulus	1350	MPa	ISO 527/1A
stress at yield	20	MPa	ISO 527/1A
stress at break	15	MPa	ISO 527/1A
strain at break	50	%	ISO 527/1A
Flexural test			
Flexural modulus	1300	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	N.B.	kJ/m ²	ISO 180/1A
at 0 °C	N.B.	kJ/m ²	ISO 180/1A
at -20 °C	7	kJ/m ²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 1.80 MPa (HDT/A)	-	°C	ISO 75
Coeff. of linear thermal expansion			



PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
-30 °C to 100 °C	80	μm/mK	ISO 11359-2

- (1) Injection molded sample ISO527-1A
 (2) Injection molded plaque 65x65x3.2 mm
 (3) N.B.: No Break

