



SABIC[®] PPCOMPOUND 8620A

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC[®] PPcompound 8620A is a mineral filled, impact modified polypropylene TPO. It was originally designed for painted automotive bumper fascia applications where a combination of good flow, high stiffness, and cold temperature ductility is required.

IMDS ID: 209747752

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt flow rate (MFR)			
at 230 °C and 2.16 kg	12	dg/min	ISO 1133
Density ⁽¹⁾	1030	kg/m ³	ISO 1183
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	0.7	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile			
Tensile modulus	1660	MPa	ISO 527/1A
stress at yield	17	MPa	ISO 527/1A
stress at break	13	MPa	ISO 527/1A
strain at break	41	%	ISO 527/1A
Flexural test			
Flexural modulus	1780	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	47	kJ/m ²	ISO 180/1A
at 0 °C	31	kJ/m ²	ISO 180/1A
at -20 °C	6	kJ/m ²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 1.80 MPa (HDT/A)	56	°C	ISO 75
at 0.45 MPa (HDT/B)	100	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	32	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

QUALITY

SABIC Europe is fully certified in accordance with the internationally accepted quality standard ISO9001.