

SABIC® PPCOMPOUND 8625P

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC® PPcompound 8625P is a mineral filled modified polypropylene. This material combines high flow with high stiffness and high impact properties. Typical applications include automotive exterior parts such as bumpers, bumper stripes and exterior trims. This grade is designed for unpainted or partial painted applications as it is UV stabilized.

SABIC®PPcompound 8625P is a designated automotive grade.

IMDS ID: 1008882308

TYPICAL PROPERTY VALUES

Revision 20211206

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	23	dg/min	ISO 1133
Density ⁽¹⁾	1000	kg/m³	ISO 1183
Filler content	15	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	0.8	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
Tensile modulus	1500	MPa	ISO 527/1A
stress at yield	19	MPa	ISO 527/1A
stress at break	15	MPa	ISO 527/1A
strain at break	80	%	ISO 527/1A
Flexural test			
Flexural modulus	1650	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23°C	NB	kJ/m²	ISO 180/1A
at -20 °C	6	kJ/m²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 0.45 MPa (HDT/B)	104	°C	ISO 75

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

STORAGE AND HANDLING

Avoid prolonged storage in open sunlight, high temperatures (<50 °C) and/or high humidity as this could well speed up alteration and consequently loss of quality of the material and/or its packaging. Keep material completely dry for good processing.

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