

SABIC® PPCOMPOUND 8625

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

'SABIC® PPcompound 8625 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 painted applications.

SABIC® PPcompound 8625 is a designated automotive grade.

IMDS ID: 1191537486

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
At 230 °C and 2.16 kg	21	dg/min	ISO 1133
Density ⁽¹⁾	990	kg/m³	ISO 1183
Filler content	14	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	0.7	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
Tensile modulus	1500	MPa	ISO 527/1A
Stress at yield	20	MPa	ISO 527/1A
Stress at break	15	MPa	ISO 527/1A
Strain at break	100	%	ISO 527/1A
Flexural test			
Flexural modulus	1600	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
At -20 °C	6	kJ/m²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
At 0.45 MPa (HDT/B)	103	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	80	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

