

SABIC[®] PPCOMPOUND 2605

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC[®] PPcompound 2605 is a mineral filled modified polypropylene. Typical material properties include an excellent impact stiffness balance with a low density. Typical applications include automotive interior parts such as trims and dashboards.

SABIC[®] PPcompound 2605 is a designated automotive grade.

IMDS ID: 16485887

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt flow rate (MFR)			
at 230 °C and 5 kg	25	dg/min	ISO 1133
at 230 °C and 2.16 kg	5	dg/min	ISO 1133
Density ⁽¹⁾	960	kg/m ³	ISO 1183
Filler content	10	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	1.2	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
Tensile modulus	1300	MPa	ISO 527/1A
stress at yield	21	MPa	ISO 527/1A
stress at break	20	MPa	ISO 527/1A
strain at break	150	%	ISO 527/1A
Flexural test			
Flexural modulus	1400	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	N.B.	kJ/m ²	ISO 180/1A
at 0 °C	10	kJ/m ²	ISO 180/1A
at -20 °C	5.5	kJ/m ²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 0.45 MPa (HDT/B)	90	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	100	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

