

SABIC® PPCOMPOUND 7605

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC® PPcompound 7605 is a mineral filled modified polypropylene. This material combines high scratch resistance with a good stiffness and high impact. Additionally the material offers a high flow and low density. This material has a broad processing window and good esthetical performance. Typical applications include automotive interior parts such as instrument panels, lower and upper dashboard, door panels and trim.

SABIC® PPcompound 7605 is a designated automotive grade.

IMDS ID: 16486153

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⁾	960	kg/m³	ISO 1183
Filler content	10	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	0.9	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
Tensile modulus	1400	MPa	ISO 527/1A
stress at yield	22	MPa	ISO 527/1A
stress at break	20	MPa	ISO 527/1A
strain at break	500	%	ISO 527/1A
Flexural test			
Flexural modulus	1500	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	N.B.	kJ/m²	ISO 180/1A
at 0 °C	10	kJ/m²	ISO 180/1A
at -20 °C	5	kJ/m²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 0.45 MPa (HDT/B)	105	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	90	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

