

SABIC® PPCOMPOUND 7708

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC® PPcompound 7708 is an elastomer-modified mineral filled Polypropylene compound designed for automotive interior applications. This material has a good mechanical performance profile with excellent scratch resistance.

SABIC® PPcompound 7708 is a designated automotive grade.

IMDS ID: 1079418860

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
At 230 °C and 2.16 kg	18	dg/min	ISO 1133
Density ⁽¹⁾	1010	kg/m³	ISO 1183
Filler content	15	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	0.9	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
Tensile modulus	1650	MPa	ISO 527/1A
Stress at yield	20	MPa	ISO 527/1A
Stress at break	12	MPa	ISO 527/1A
Strain at break	50	%	ISO 527/1A
Flexural test			
Flexural modulus	1700	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
At 23 °C	35	kJ/m²	ISO 180/1A
At 0 °C	8	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)	101	°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

