

SABIC® PPCOMPOUND F9007

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

Preliminary datasheet

SABIC® PPcompound F9007 is an elastomer-modified mineral filled Polypropylene for automotive interior applications. This material has been designed to combine a good performance profile with good processing. This material is designed for intended use in foamed interior applications. Datasheet values are based on standard, solid specimen.

SABIC® PPcompound F9007 is a designated automotive grade.

IMDS ID: 963556160

TYPICAL PROPERTY VALUES

| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|---|----------------|--------|--------------|
| POLYMER PROPERTIES | | | |
| Melt Flow Rate (MFR) | | | |
| at 230 °C and 2.16 kg | 28 | dg/min | ISO 1133 |
| Density ⁽¹⁾ | 955 | kg/m³ | ISO 1183 |
| Filler content | 7 | % | SABIC method |
| Mould shrinkage ⁽²⁾ | | | |
| 24 hours after injection moulding | 1.4 | % | SABIC method |
| MECHANICAL PROPERTIES ^{(1) (3)} | | | |
| Tensile | | | |
| Tensile modulus | 1850 | MPa | ISO 527/1A |
| stress at yield | 28 | MPa | ISO 527/1A |
| stress at break | 20 | MPa | ISO 527/1A |
| strain at break | 5 | % | ISO 527/1A |
| Flexural test | | | |
| Flexural modulus | 1850 | MPa | ISO 178/1A |
| Izod impact notched ⁽⁴⁾ | | | |
| at 23 °C | 6 | kJ/m² | ISO 180/1A |
| THERMAL PROPERTIES ⁽¹⁾ | | | |
| Heat deflection temperature | | | |
| at 1.8 MPa (HDT/A) | 58 | °C | ISO 75 |
| at 0.45 MPa (HDT/B) | 102 | °C | ISO 75 |
| Coeff. of linear thermal expansion | | | |
| -30 °C to 100°C | 95 | µm/mK | ISO 11359-2 |

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

(4) U-shaped notch; N.B.: No Break

