

SABIC[®] PPCOMPOUND 3726E

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC[®] PPcompound 3726E is a mineral filled Polypropylene for automotive interior applications. Material properties include an excellent stiffness and impact ratio with a low emission and fogging behavior. Typical applications include non esthetical automotive interior parts.

SABIC[®] PPcompound 3726E is a designated automotive grade.

TYPICAL PROPERTY VALUES

| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|---|----------------|-------------------|--------------|
| POLYMER PROPERTIES | | | |
| Melt flow rate (MFR) | | | |
| at 230 °C and 2.16 kg | 13 | dg/min | ISO 1133 |
| Density ⁽¹⁾ | 1097 | kg/m ³ | ISO 1183 |
| Mould shrinkage ⁽²⁾ | | | |
| 24 hours after injection moulding | 1.0 | % | SABIC method |
| MECHANICAL PROPERTIES ⁽¹⁾ | | | |
| Tensile test | | | |
| Tensile modulus | 2250 | MPa | ISO 527/1A |
| stress at yield | 22 | MPa | ISO 527/1A |
| stress at break | 17 | MPa | ISO 527/1A |
| strain at break | 20 | % | ISO 527/1A |
| Flexural test | | | |
| Flexural modulus | 2500 | MPa | ISO 178/1A |
| Izod impact notched ⁽³⁾ | | | |
| at 23 °C | 6.5 | kJ/m ² | ISO 180/1A |
| at 0 °C | - | kJ/m ² | ISO 180/1A |
| at -20 °C | - | kJ/m ² | ISO 180/1A |
| THERMAL PROPERTIES ⁽¹⁾ | | | |
| Heat deflection temperature | | | |
| at 0.45 MPa (HDT/B) | - | °C | ISO 75 |
| Coeff. of linear thermal expansion | | | |
| -30 °C to 100 °C | - | µm/mK | ISO 11359-2 |

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

