

SABIC® PPCOMPOUND 8625

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

¹SABIC® PPcompound 8625 is a mineral filled modified polypropylene. This material combines high flow with high stiffness and high impact properties. Typical applications include automotive exterior parts such as bumpers, bumper stripes and exterior trims. This grade is designed for painted applications.

SABIC® PPcompound 8625 is a designated automotive grade.

IMDS ID: 1191537486

TYPICAL PROPERTY VALUES

Revision 20230125

| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|---|----------------|-------------------|--------------|
| POLYMER PROPERTIES | | | |
| Melt Flow Rate (MFR) | | | |
| At 230 °C and 2.16 kg | 21 | dg/min | ISO 1133 |
| Density ⁽¹⁾ | 990 | kg/m ³ | ISO 1183 |
| Filler content | 14 | % | SABIC method |
| Mould shrinkage ⁽²⁾ | | | |
| 24 hours after injection moulding | 0.7 | % | SABIC method |
| MECHANICAL PROPERTIES ⁽¹⁾ | | | |
| Tensile test | | | |
| Tensile modulus | 1500 | MPa | ISO 527/1A |
| Stress at yield | 20 | MPa | ISO 527/1A |
| Stress at break | 15 | MPa | ISO 527/1A |
| Strain at break | 100 | % | ISO 527/1A |
| Flexural test | | | |
| Flexural modulus | 1600 | MPa | ISO 178/1A |
| Izod impact notched ⁽³⁾ | | | |
| At -20 °C | 6 | kJ/m ² | ISO 180/1A |
| THERMAL PROPERTIES ⁽¹⁾ | | | |
| Heat deflection temperature | | | |
| At 0.45 MPa (HDT/B) | 103 | °C | ISO 75 |
| Coeff. of linear thermal expansion | | | |
| -30 °C to 100 °C | 80 | µm/mK | ISO 11359-2 |

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

STORAGE AND HANDLING

Avoid prolonged storage in open sunlight, high temperatures (<50 °C) and/or high humidity as this could well speed up alteration and consequently loss of quality of the material and/or its packaging. Keep material completely dry for good processing.



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