

SABIC® PPCOMPOUND 8632

PP COMPOUND MF IMPACT MODIFIED
REGION EUROPE

DESCRIPTION

SABIC® PPcompound 8632 is a development grade, mineral filled elastomer modified Polypropylene. Typical material properties include combination of good flow and excellent balance between impact and stiffness with additional advantage of low CLTE. Typical applications include large and complex automotive exterior parts such as bumpers.

SABIC® PPcompound 8632 is a designated automotive grade.

IMDS ID: 611687270

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⁾ | 970 | kg/m ³ | ISO 1183 |
| Filler content | 10 | % | SABIC method |
| Mould shrinkage ⁽²⁾ | | | |
| 24 hours after injection moulding | 0.85 | % | SABIC method |
| MECHANICAL PROPERTIES ⁽¹⁾ | | | |
| Tensile test | | | |
| Tensile modulus | 1350 | MPa | ISO 527/1A |
| stress at yield | 20 | MPa | ISO 527/1A |
| stress at break | 15 | MPa | ISO 527/1A |
| strain at break | 50 | % | ISO 527/1A |
| Flexural test | | | |
| Flexural modulus | 1300 | MPa | ISO 178/1A |
| Izod impact notched ⁽³⁾ | | | |
| at 23 °C | N.B. | kJ/m ² | ISO 180/1A |
| at 0 °C | N.B. | kJ/m ² | ISO 180/1A |
| at -20 °C | 7 | kJ/m ² | ISO 180/1A |
| THERMAL PROPERTIES ⁽¹⁾ | | | |
| Heat deflection temperature | | | |
| at 1.80 MPa (HDT/A) | - | °C | ISO 75 |
| Coeff. of linear thermal expansion | | | |



| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|------------------|----------------|-------|--------------|
| -30 °C to 100 °C | 80 | µm/mK | ISO 11359-2 |

- (1) Injection molded sample ISO527-1A
- (2) Injection molded plaque 65x65x3.2 mm
- (3) N.B.: No Break

QUALITY

SABIC is fully certified in accordance with the internationally accepted quality standard ISO9001.

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.