

SABIC® PPCOMPOUND F9015

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

Preliminary datasheet

SABIC® PPcompound F9015 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 F9015 is a designated automotive grade.

IMDS ID:963562131

TYPICAL PROPERTY VALUES

Revision 20201030

| 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⁾ | 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) (3)} | | | |
| Tensile | | | |
| Tensile modulus | 1750 | MPa | ISO 527/1A |
| stress at yield | 20 | MPa | ISO 527/1A |
| stress at break | 15 | MPa | ISO 527/1A |
| strain at break | 6 | % | ISO 527/1A |
| Flexural test | | | |
| Flexural modulus | 1730 | MPa | ISO 178/1A |
| Izod impact notched ⁽⁴⁾ | | | |
| at 23 °C | N.B. | kJ/m² | ISO 180/1A |
| at 0 °C | 10 | kJ/m² | ISO 180/1A |
| THERMAL PROPERTIES ⁽¹⁾ | | | |
| Heat deflection temperature | | | |
| at 1.8 MPa (HDT/A) | 57 | °C | ISO 75 |
| at 0.45 MPa (HDT/B) | 100 | °C | ISO 75 |
| Coeff. of linear thermal expansion | | | |
| -30 °C to 100°C | 76 | 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





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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