

SABIC[®] PPCOMPOUND 7605

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC[®] PPcompound 7605 is a mineral filled modified polypropylene. This material combines high scratch resistance with a good stiffness and high impact. Additionally the material offers a high flow and low density. This material has a broad processing window and good esthetical performance. Typical applications include automotive interior parts such as instrument panels, lower and upper dashboard, door panels and trim.

SABIC[®] PPcompound 7605 is a designated automotive grade.

IMDS ID: 16486153

TYPICAL PROPERTY VALUES

Revision 20181012

| 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⁾ | 960 | kg/m ³ | ISO 1183 |
| Filler content | 10 | % | SABIC method |
| Mould shrinkage ⁽²⁾ | | | |
| 24 hours after injection moulding | 0.9 | % | SABIC method |
| MECHANICAL PROPERTIES ⁽¹⁾ | | | |
| Tensile test | | | |
| Tensile modulus | 1400 | MPa | ISO 527/1A |
| stress at yield | 22 | MPa | ISO 527/1A |
| stress at break | 20 | MPa | ISO 527/1A |
| strain at break | 500 | % | ISO 527/1A |
| Flexural test | | | |
| Flexural modulus | 1500 | MPa | ISO 178/1A |
| Izod impact notched ⁽³⁾ | | | |
| at 23 °C | N.B. | kJ/m ² | ISO 180/1A |
| at 0 °C | 10 | kJ/m ² | ISO 180/1A |
| at -20 °C | 5 | kJ/m ² | ISO 180/1A |
| THERMAL PROPERTIES ⁽¹⁾ | | | |
| Heat deflection temperature | | | |
| at 0.45 MPa (HDT/B) | 105 | °C | ISO 75 |
| Coeff. of linear thermal expansion | | | |
| -30 °C to 100 °C | 90 | µm/mK | ISO 11359-2 |

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

QUALITY

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

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CHEMISTRY THAT MATTERS™



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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