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# SABIC® PPCOMPOUND 6614

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

## DESCRIPTION

SABIC® PPcompound 6614 is a mineral filled modified polypropylene. This material combines high flow, good impact and a high stiffness level with a low shrinkage and CLTE. Typical applications include automotive exterior parts such as large thin wall zero gap bumper designs but also lateral siding and bumper strips. It can be used in painted and unpainted applications with UV stabilization added on demand.

SABIC® PPcompound 6614 is a designated automotive grade.

IMDS ID: 16486498

## 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) | 1000 | kg/m³ | ISO 1183 |
| **Filler content** | 15 | % | SABIC method |
| **Mould shrinkage** (2) | | | |
| 24 hours after injection moulding | 0.75 | % | SABIC method |
| **MECHANICAL PROPERTIES** (1) | | | |
| **Tensile test** | | | |
| Tensile modulus | 1350 | MPa | ISO 527/1A |
| stress at yield | 19 | MPa | ISO 527/1A |
| stress at break | 18 | MPa | ISO 527/1A |
| strain at break | 500 | % | ISO 527/1A |
| **Flexural test** | | | |
| Flexural modulus | 1350 | MPa | ISO 178/1A |
| **Izod impact notched** (3) | | | |
| at 23 °C | N.B. | kJ/m² | ISO 180/1A |
| at 0 °C | N.B. | kJ/m² | ISO 180/1A |
| at -20 °C | 10 | kJ/m² | ISO 180/1A |
| **THERMAL PROPERTIES** (1) | | | |
| **Heat deflection temperature** | | | |
| at 0.45 MPa (HDT/B) | 100 | °C | ISO 75 |
| **Coeff. of linear thermal expansion** | | | |
| -30 °C to 100 °C | 70 | 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.