

SABIC® PPCOMPOUND 33MBTU

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC® PPcompound 33MBTU is a 30% talc containing masterbatch for use with SABIC® PP Super high impact copolymers and as such part of the SABIC® PP CS system. This material contains UV stabilization for exterior application.

SABIC® PPcompound 33MBTU is a designated automotive grade.

IMDS ID: 16487872

TYPICAL PROPERTY VALUES

| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|---|----------------|--------|--------------|
| POLYMER PROPERTIES | | | |
| Melt Flow Rate (MFR) | | | |
| at 230 °C and 2.16 kg | 40 | dg/min | ISO 1133 |
| Density ⁽¹⁾ | 1150 | kg/m³ | ISO 1183 |
| Filler content | 30 | % | SABIC method |
| Mould shrinkage ⁽²⁾ | | | |
| 24 hours after injection moulding | 0.9 | % | SABIC method |
| MECHANICAL PROPERTIES ⁽¹⁾ | | | |
| Tensile test | | | |
| Tensile modulus | 2300 | MPa | ISO 527/1A |
| stress at yield | 25 | MPa | ISO 527/1A |
| stress at break | 20 | MPa | ISO 527/1A |
| strain at break | 20 | % | ISO 527/1A |
| Flexural test | | | |
| Flexural modulus | 2300 | MPa | ISO 178/1A |
| Izod impact notched ⁽³⁾ | | | |
| at 23 °C | 4 | kJ/m² | ISO 180/1A |
| at 0 °C | 3 | kJ/m² | ISO 180/1A |
| at -20 °C | 2 | kJ/m² | ISO 180/1A |
| THERMAL PROPERTIES ⁽¹⁾ | | | |
| Heat deflection temperature | | | |
| at 0.45 MPa (HDT/B) | 130 | °C | ISO 75 |
| Coeff. of linear thermal expansion | | | |
| -30 °C to 100 °C | 40 | µm/mK | ISO 11359-2 |

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

