

# SABIC® PPCOMPOUND 50MBTX

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

## DESCRIPTION

SABIC® PPcompound 50MBTX is a mineral filled modified polypropylene masterbatch for use with SABIC® PP Impact copolymers and as such part of the SABIC® PP CS system.

SABIC® PPcompound 50MBTX is a designated automotive grade.

IMDS ID: 26827205

## TYPICAL PROPERTY VALUES

| PROPERTIES                                  | TYPICAL VALUES | UNITS  | TEST METHODS |
|---|----------------|--------|--------------|
| <b>POLYMER PROPERTIES</b>                   |                |        |              |
| <b>Melt Flow Rate (MFR)</b>                 |                |        |              |
| at 230 °C and 2.16 kg                       | 9              | dg/min | ISO 1133     |
| <b>Density</b> <sup>(1)</sup>               | 1020           | kg/m³  | ISO 1183     |
| <b>Filler content</b>                       | 20             | %      | SABIC method |
| <b>Mould shrinkage</b> <sup>(2)</sup>       |                |        |              |
| 24 hours after injection moulding           | -              | %      | SABIC method |
| <b>MECHANICAL PROPERTIES</b> <sup>(1)</sup> |                |        |              |
| <b>Tensile</b>                              |                |        |              |
| Tensile modulus                             | 300            | MPa    | ISO 527/1A   |
| stress at yield                             | -              | MPa    | ISO 527/1A   |
| stress at break                             | -              | MPa    | ISO 527/1A   |
| strain at break                             | -              | %      | ISO 527/1A   |
| <b>Flexural test</b>                        |                |        |              |
| Flexural modulus                            | 400            | MPa    | ISO 178/1A   |
| <b>Izod impact notched</b> <sup>(3)</sup>   |                |        |              |
| at 23 °C                                    | N.B.           | kJ/m²  | ISO 180/1A   |
| at 0 °C                                     | -              | kJ/m²  | ISO 180/1A   |
| at -20 °C                                   | -              | kJ/m²  | ISO 180/1A   |
| <b>THERMAL PROPERTIES</b> <sup>(1)</sup>    |                |        |              |
| <b>Heat deflection temperature</b>          |                |        |              |
| at 0.45 MPa (HDT/B)                         | -              | °C     | ISO 75       |
| <b>Coeff. of linear thermal expansion</b>   |                |        |              |
| -30 °C to 100 °C                            | -              | µm/mK  | ISO 11359-2  |

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

