# SABIC® PPCOMPOUND CX03B81

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

## DESCRIPTION

SABIC® PPcompound CX03B81 is a high crystalline copolymer. It offers high impact resistance, in perfect balance with high thermal dimensional stability, stiffness and flow.This material has excellent aesthetic properties as well and is typically used for automotive interior applications. It is the obvious alternative to conventional talc-filled copolymers, offering considerable weight saving advantage.

CX03B81 is a designated automotive grade.
IMDS 882046066

## TYPICAL PROPERTY VALUES

| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|---|---|---|---|
| **POLYMER PROPERTIES** | | | |
| **Melt Flow Rate (MFR)** | | | |
| at 230 °C and 2.16 kg | 10 | dg/min | ISO 1133 |
| **Density** (1) | 905 | kg/m³ | ISO 1183 |
| **Mould shrinkage** (2) | | | |
| 24 hours after injection moulding | 1.6 | % | SABIC method |
| **MECHANICAL PROPERTIES** (1) | | | |
| **Tensile** | | | |
| Tensile modulus | 1110 | MPa | ISO 527/1A |
| stress at yield | 21 | MPa | ISO 527/1A |
| stress at break | 16 | MPa | ISO 527/1A |
| strain at break | 110 | % | ISO 527/1A |
| **Flexural test** | | | |
| Flexural modulus | 1150 | MPa | ISO 178/1A |
| **Izod impact notched** (3) | | | |
| at 23 °C | NB | - | ISO 180/1A |
| at 0 °C | 12 | kJ/m² | ISO 180/1A |
| at -20 °C | 9 | kJ/m² | ISO 180/1A |
| **THERMAL PROPERTIES** (1) | | | |
| **Heat deflection temperature** | | | |
| at 1.80 MPa (HDT/A) | 55 | °C | ISO 75 |
| at 0.45 MPa (HDT/B) | 90 | °C | ISO 75 |

(1) Injection molded sample ISO527-1A
(2) Injection molded plaque 65x65x3.2mm
(3) N.B.: No Break