

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

Revision 20230331

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/m ³	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/m ²	ISO 180/1A
at -20 °C	9	kJ/m ²	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

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.

+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)



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