

SABIC® PPCOMPOUND CX0281

PP COMPOUND

DESCRIPTION

SABIC® PPcompound CX0281 is a high crystalline copolymer. It offers high stiffness in perfect balance with high thermal dimensional stability, impact resistance 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.

SABIC® PPcompound CX0281 is a designated automotive grade.

IMDS ID: 1015442982

TYPICAL PROPERTY VALUES

Revision 20250108

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
At 230 °C and 2.16 kg	15	dg/min	ISO 1133
Density ⁽¹⁾	905	kg/m³	ISO 1183
Filler content	0	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	1.6	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
Tensile modulus	1550	MPa	ISO 527/1A
Stress at yield	27	MPa	ISO 527/1A
Stress at break	20	MPa	ISO 527/1A
Strain at break	100	%	ISO 527/1A
Flexural test			
Flexural modulus	1450	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
At 23 °C	11	kJ/m²	ISO 180/1A
At 0 °C	7	kJ/m²	ISO 180/1A
At -20 °C	6	kJ/m²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
At 1.80 MPa (HDT/A)	53	°C	ISO 75
At 0.45 MPa (HDT/B)	93	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	100	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

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CHEMISTRY THAT MATTERS™



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.

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