

SABIC® PPCOMPOUND 1376

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC® PPcompound 1376 is a medium flow talcum filled polypropylene compound. Material properties include an excellent stiffness and impact ratio. SABIC®PPcompound 1376 is UV optimized for outdoor and designed for consumer goods applications.

TYPICAL PROPERTY VALUES

Revision 20230727

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⁾	1084	kg/m ³	ISO 1183
Filler content	25	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	0.9	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
Tensile modulus	2200	MPa	ISO 527/1A
Stress at yield	21	MPa	ISO 527/1A
Stress at break	16	MPa	ISO 527/1A
Strain at break	44	%	ISO 527/1A
Flexural test			
Flexural modulus	2400	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
At 23 °C	7	kJ/m ²	ISO 180/1A
At 0 °C	4	kJ/m ²	ISO 180/1A
At -20 °C	2.5	kJ/m ²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
At 1.80 MPa (HDT/A)	62	°C	ISO 75
At 0.45 MPa (HDT/B)	112	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	86	µm/mK	ISO 11359-2

(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.





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