







# 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 <sup>(1)</sup>	1084	kg/m³	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 <sup>(3)</sup>			
At 23 °C	7	kJ/m²	ISO 180/1A
At 0 °C	4	kJ/m²	ISO 180/1A
At -20 °C	2.5	kJ/m²	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

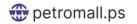
<sup>(1)</sup> Injection molded sample ISO527-1A

## 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.

<sup>(2)</sup> Injection molded plaque 65x65x3.2mm

<sup>(3)</sup> N.B.: No Break







#### **DISCLAIMER**

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