

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

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

