

SABIC® PPCOMPOUND 1332H

PP COMPOUND MINERAL FILLED IMPACT MODIFIED

DESCRIPTION

SABIC® PPcompound 1332H is a medium flow talcum filled polypropylene compound. The stiffness and heat ageing performance make it suited for use in applications at elevated temperatures. SABIC®PPcompound 1332H is 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⁾	1040	kg/m ³	ISO 1183
Filler content	20	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	1.2	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
Tensile modulus	2700	MPa	ISO 527/1A
Stress at yield	36	MPa	ISO 527/1A
Stress at break	28	MPa	ISO 527/1A
Strain at break	50	%	ISO 527/1A
Flexural test			
Flexural modulus	2700	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
At 23 °C	3.0	kJ/m ²	ISO 180/1A
At 0 °C	2.5	kJ/m ²	ISO 180/1A
At -20 °C	2.0	kJ/m ²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
At 1.80 MPa (HDT/A)	120	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	75	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

