

SABIC[®] PPCOMPOUND 1920

PP COMPOUND MINERAL FILLED

DESCRIPTION

SABIC[®] PPcompound 1920 is an FDA compliant, talc filled, heat stabilized homopolymer polypropylene compound. This compound exhibits high flow and is suitable for injection molding applications.

IMDS ID: 482238095

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt flow rate (MFR)			
at 230 °C and 2.16 kg	18	dg/min	ISO 1133
Density ⁽¹⁾	1050	kg/m ³	ISO 1183
Filler content	20	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	0.95	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile			
Tensile modulus	3200	MPa	ISO 527/1A
stress at yield	36	MPa	ISO 527/1A
stress at break	32	MPa	ISO 527/1A
strain at break	10.6	%	ISO 527/1A
Flexural test			
Flexural modulus	3170	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	2	kJ/m ²	ISO 180/1A
at 0 °C	-	kJ/m ²	ISO 180/1A
at -20 °C	1	kJ/m ²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 1.80 MPa (HDT/A)	73	°C	ISO 75
at 0.45 MPa (HDT/B)	128	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	58	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

