

SABIC[®] PPCOMPOUND 15T1030

PP COMPOUND MINERAL FILLED

DESCRIPTION

SABIC[®] PPcompound 15T1030 is a 30% talc-filled polypropylene homopolymer. Its high modulus and good thermal stabilization makes it suited for applications under the bonnet such as heating, ventilation and air conditioning housings.

SABIC[®] PPcompound 15T1030 is a designated automotive grade.

IMDS ID: 439230598

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt flow rate (MFR)			
at 230 °C and 2.16 kg	6	dg/min	ISO 1133
Density ⁽¹⁾	1150	kg/m ³	ISO 1183
Filler content	30	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	1.05	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile test			
Tensile modulus	3200	MPa	ISO 527/1A
stress at yield	32.5	MPa	ISO 527/1A
stress at break	25	MPa	ISO 527/1A
strain at break	15	%	ISO 527/1A
Flexural test			
Flexural modulus	3500	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	3	kJ/m ²	ISO 180/1A
at 0 °C	2.5	kJ/m ²	ISO 180/1A
at -20 °C	2	kJ/m ²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 0.45 MPa (HDT/B)	125	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	68	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

QUALITY

SABIC is fully certified in accordance with the internationally accepted quality standard ISO 9001.