

SABIC[®] PPCOMPOUND 55T1030

PP COMPOUND MINERAL FILLED

DESCRIPTION

SABIC[®] PPcompound 55T1030 is a Polypropylene copolymer with 30% talcum. It is especially suited for applications that require an exceptional stiffness combined with a high impact resistance (even at low temperatures) like dashboard carriers and other dashboard components that are exposed to high temperatures.

SABIC[®] PPcompound 55T1030 is a designated automotive grade.

IMDS ID: 16160823

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt flow rate (MFR)			
at 230 °C and 5 kg	20	dg/min	ISO 1133
at 230 °C and 2.16 kg	4	dg/min	ISO 1133
Density ⁽¹⁾	1130	kg/m ³	ISO 1183
Filler content	30	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	1	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile			
Tensile modulus	2200	MPa	ISO 527/1A
stress at yield	24	MPa	ISO 527/1A
stress at break	18	MPa	ISO 527/1A
strain at break	80	%	ISO 527/1A
Flexural test			
Flexural modulus	2300	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	13	kJ/m ²	ISO 180/1A
at 0 °C	6	kJ/m ²	ISO 180/1A
at -20 °C	3.5	kJ/m ²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 0.45 MPa (HDT/B)	120	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	65	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

