

SABIC® PPCOMPOUND 55T1040

PP COMPOUND MINERAL FILLED

DESCRIPTION

SABIC® PPcompound 55T1040 is a general purpose, talc filled, heat stabilized copolymer polypropylene compound. This compound exhibits very high impact and high rigidity, and is suitable for injection molding applications.

IMDS ID: 278629571

TYPICAL PROPERTY VALUES

Revision 20211206

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	3	dg/min	ISO 1133
Density ⁽¹⁾	1270	kg/m ³	ISO 1183
Filler content	40	%	SABIC method
Mould shrinkage ⁽²⁾			
24 hours after injection moulding	-	%	SABIC method
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile			
Tensile modulus	2450	MPa	ISO 527/1A
stress at yield	20	MPa	ISO 527/1A
stress at break	14	MPa	ISO 527/1A
strain at break	10.8	%	ISO 527/1A
Flexural test			
Flexural modulus	3270	MPa	ISO 178/1A
Izod impact notched ⁽³⁾			
at 23 °C	7	kJ/m ²	ISO 180/1A
at 0 °C	-	kJ/m ²	ISO 180/1A
at -20 °C	2	kJ/m ²	ISO 180/1A
THERMAL PROPERTIES ⁽¹⁾			
Heat deflection temperature			
at 1.80 Mpa (HDT/A)	70	°C	ISO 75
at 0.45 Mpa (HDT/B)	124	°C	ISO 75
Coeff. of linear thermal expansion			
-30 °C to 100 °C	-	µm/mK	ISO 11359-2

(1) Injection molded sample ISO527-1A

(2) Injection molded plaque 65x65x3.2mm

(3) N.B.: No Break

STORAGE AND HANDLING

Avoid prolonged storage in open sunlight, high temperatures (<50 °C) and/or high humidity as this could well speed up alteration and consequently loss of quality of the material and/or its packaging. Keep material completely dry for good processing.

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