







SABIC® PPCOMPOUND 19T1040

PP COMPOUND MINERAL FILLED

DESCRIPTION

SABIC® PPcompound 19T1040 is a 40% talc-filled polypropylene homopolymer. The material's high fill grade makes for a very high stiffness. This combined with the high flow and good thermal stabilization makes it especially suited for complex injection molded applications requiring a very high modulus and high thermal stability.

SABIC® PPcompound 19T1040 is a designated automotive grade.

IMDS ID: 671989392

TYPICAL PROPERTY VALUES			Revision 20240604
PROPERTIES	TYPICAL VALUES	UNITS TEST MET	HODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	18	dg/min ISO 1133	
Density ⁽¹⁾	1250	kg/m³ ISO 1183	
Filler content	40	% SABIC metho	od
Mould shrinkage (2)		1	
24 hours after injection moulding	0.8	% SABIC metho	od
MECHANICAL PROPERTIES (1)	1		
Tensile			
Tensile modulus	3600	MPa ISO 527/1A	
stress at yield	30	MPa ISO 527/1A	
stress at break	24	MPa ISO 527/1A	
strain at break	11	% ISO 527/1A	
Flexural test			
Flexural modulus	3600	MPa ISO 178/1A	
Izod impact notched ⁽³⁾			
at 23 °C	2.8	kJ/m² ISO 180/1A	
at 0 °C	1.6	kJ/m² ISO 180/1A	
at -20 °C	1.5	kJ/m² ISO 180/1A	i
THERMAL PROPERTIES (1)			
Heat deflection temperature			
at 0.45 MPa (HDT/B)	130	°C ISO 75	
Coeff. of linear thermal expansion			
-30 °C to 100 °C	68	μm/mK ISO 11359-2	2

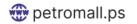
⁽¹⁾ Injection molded sample ISO527-1A

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.

⁽²⁾ Injection molded plaque 65x65x3.2mm

⁽³⁾ N.B.: No Break







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