

# Sicoflex® 100

ABS  
Prime Compound

## Description:

heat resistant grade, low odour & VOC to meet all global automotive OEM specification; suitable for injection moulding

## General

MFI (220°C/10kg)	ISO 1133	5	g/10min
Density	ISO 1183	1.04	g/cm <sup>3</sup>

## Thermal

Vicat softening point (B50 (50N))	ISO 306	103	°C
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## Mechanical

Izod notched impact strength (23°C)	ISO 180	13	kJ/m <sup>2</sup>
Charpy notched impact strength (23 °C)	ISO 179	14	kJ/m <sup>2</sup>
Tensile stress at yield	ISO 527	45	MPa
Tensile stress at break	ISO 527	40	MPa
Elongation at break	ISO 527	15	%
Tensile modulus	ISO 527	2000	MPa
Flexural strength (+23°C)	ISO 178	67	MPa

## Flammability

Flammability (3,2mm)	UL94	HB	
Flammability (1,6mm)	UL94	HB	
Glow wire flammability index (2,0 mm)	IEC 60695-2-12	650	°C

## Various

Surface resistivity	IEC 60093	1.00E+15	Ohm
Volume resistivity	IEC 60093	1.00E+14	Ohm.cm
Dielectric rigidity (Oil 1mm)	IEC 60243-1	28	kV/mm
CTI	IEC 60112	600	V
Linear Mould Shrinkage	internal method	0.4-0.7	%

## Remark:

Preliminary Data Sheet

The data and information contained herein are typical average values, based on our current level of knowledge and experience, and do not constitute sales specifications. No liability, warranty or guarantee of product performance is created by this document. It is the buyer's responsibility to inspect and test our products in order to determine the suitability for the buyer's application.

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