

# Sicoflex<sup>®</sup> 2000HG

ABS  
Prime Compound

## Description:

ABS flame retardant grade PBDE free high flow

## General

MFI (220°C/10kg)	ISO 1133	45	g/10min
Density	ISO 1183	1.18	g/cm <sup>3</sup>
Linear mould shrinkage	ISO 2577	0.3-0.5	%

## Thermal

HDT/A (1,82MPa)	ISO 75A	78	°C
Vicat softening point (B50 (50°C/h, 50N))	ISO 306	84	°C
Vicat softening point (A50(50°C/h, 10N))	ISO 306	95	°C
Ball pressure test (75°C)	IEC 335	Pass	°C

## Mechanical

Izod notched impact strength (23°C)	ISO 180/A	15	kJ/m <sup>2</sup>
Izod notched impact strength (-30°C)	ISO 180/A	5	kJ/m <sup>2</sup>
Tensile stress at yield	ISO 527	38	MPa
Tensile stress at break	ISO 527	30	MPa
Elongation at break	ISO 527	20	%
Flex modulus	ISO 178	2600	MPa

## Flammability

Flammability (3,2mm)	UL94	V0	
Flammability (1,6mm)	UL94	V0	
Glow wire flammability index (2,0 mm)	IEC 60695-2-12	960	°C
Glow wire ignitability temperature (1,2 mm)	IEC 60695-2-13	750	°C

## Various

Surface resistivity	IEC 60093	1.00E+14	Ohm
Volume resistivity	IEC 60093	1.00E+13	Ohm.cm
Dielectric rigidity (Oil 1mm)	IEC 60243-1	25	kV/mm
CTI	IEC 60112	500	V

## Remark:

UL94 officially approval file number: E103497

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.

## Ravago Group Headquarters

Moerenstraat 85A  
B - 2370 Arendonk

Tel: +32 (0)14 67 25 11  
Fax: +32 (0)14 67 20 12

www.ravago.com  
manufacturing@ravago.com

Issue Date:  
May 2010