

# Sicoflex<sup>®</sup> 99

ABS  
Prime Compound

## Description:

ABS medium heat resistant grade

## General

MFI (220°C/10kg)	ISO 1133	10	g/10min
Density	ISO 1183	1.05	g/cm <sup>3</sup>
Linear mould shrinkage	ISO 2577	0.4-0.7	%

## Thermal

HDT/A (1,82MPa)	ISO 75A	95	°C
Vicat softening point (B50 (50N))	ISO 306	98	°C
Vicat softening point (A50(10N))	ISO 306	109	°C
Ball pressure test (75°C)	IEC 335	Pass	°C

## Mechanical

Izod notched impact strength (23°C)	ISO 180/A	20	kJ/m <sup>2</sup>
Izod notched impact strength (-30°C)	ISO 180/A	9	kJ/m <sup>2</sup>
Tensile stress at yield	ISO 527	45	MPa
Tensile stress at break	ISO 527	44	MPa
Elongation at break	ISO 527	20	%
Flex modulus	ISO 178	2500	MPa

## Flammability

Flammability (3,2mm)	UL94	HB	
Flammability (1,6mm)	UL94	HB	
Burning rate (FMVSS 302)	ISO 3795	65	mm/min
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	30	kV/mm
CTI	IEC 60112	600	V

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Issue Date:  
Jul 2010