

Sicoflex[®] S454

ABS
Prime Compound

Description:

ABS high flow, general purpose grade. Also available UV Stabilized (UV)

General

MFI (220°C/10kg)	ISO 1133	30	g/10min
Density	ISO 1183	1.05	g/cm ³
Linear mould shrinkage	ISO 2577	0.4-0.7	%

Thermal

HDT/A (1,82MPa)	ISO 75A	90	°C
Vicat softening point (B50 (50N))	ISO 306	95	°C
Vicat softening point (A50(10N))	ISO 306	100	°C
Ball pressure test (75°C)	IEC 335	Pass	°C

Mechanical

Izod notched impact strength (23°C)	ISO 180	15	kJ/m ²
Izod notched impact strength (-30°C)	ISO 180	6	kJ/m ²
Tensile stress at yield	ISO 527	42	MPa
Tensile stress at break	ISO 527	34	MPa
Elongation at break	ISO 527	25	%
Flex modulus	ISO 178	2500	MPa

Flammability

Flammability (3,2mm)	UL94	HB	
Flammability (1,6mm)	UL94	HB	
Burning rate (FMVSS 302)	ISO 3795	68	mm/min
Glow wire flammability index (2,0 mm)	IEC 60695-2-12	650	°C

Various

Surface resistivity	IEC 60093	1E15	Ohm
Volume resistivity	IEC 60093	1E14	Ohm.cm
Dielectric rigidity (Oil 1mm)	IEC 60243-1	26	kV/mm
CTI	IEC 60112	600	V

Remark:

UL94 officially approval file number: E103497.

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