

Sicoflex[®] 469

ABS
Prime Compound

Description:

ABS flame retardant grade PBDE free high flow good light stability

General

MFI (220°C/10kg)	ISO 1133	30	g/10min
Density	ISO 1183	1.18	g/cm ³
Linear mould shrinkage	ISO 2577	0.3-0.5	%

Thermal

HDT/A (1,82MPa)	ISO 75A	84	°C
Vicat softening point (B50 (50°C/h, 50N))	ISO 306	93	°C
Vicat softening point (A50(50°C/h, 10N))	ISO 306	97	°C
Ball pressure test (75°C)	IEC 335	Pass	°C

Mechanical

Izod notched impact strength (23°C)	ISO 180/A	15	kJ/m ²
Izod notched impact strength (-30°C)	ISO 180/A	5	kJ/m ²
Tensile stress at yield	ISO 527	40	MPa
Tensile stress at break	ISO 527	35	MPa
Elongation at break	ISO 527	15	%
Flex modulus	ISO 178	2600	MPa

Flammability

Flammability (2,8mm)	UL94	V0-5VA	
Flammability (1,6mm)	UL94	V0-5VB	
Glow wire ignitability temperature (1,2mm)	IEC 60695-2-13	750	°C
Glow wire flammability index (2,0 mm)	IEC 60695-2-12	960	°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