

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 ³

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 ²
Charpy notched impact strength (23 °C)	ISO 179	14	kJ/m ²
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