

Sicoflex[®] 91

ABS
Prime Compound

Description:

ABS high impact for injection molding

General

MFI (220°C/10kg)	ISO 1133	12	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	88	°C
Vicat softening point (B50 (50N))	ISO 306	94	°C
Vicat softening point (A50(10N))	ISO 306	98	°C

Mechanical

Izod notched impact strength (23°C)	ISO 180/A	28	kJ/m ²
Izod notched impact strength (-30°C)	ISO 180/A	12	kJ/m ²
Tensile stress at yield	ISO 527	40	MPa
Tensile stress at break	ISO 527	35	MPa
Elongation at break	ISO 527	20	%
Flex modulus	ISO 178	2200	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	30	kV/mm
CTI	IEC 60112	600	V

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.

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