

## Datasheet AISIGC21



AI SI GC 21 is a glass based composite with silicone

### Application

Suitable for electrical and electrotechnical applications. Also used, for example, as insulation material in large induction furnaces for melting metals.

### Material

silicone with glass based composite

### Availability

	Value	Unit
Rod diameters	on request	
Tube inside diameter	on request	
Tube outside diameter	on request	
Length standard	on request	



## AISIGC21 - Specifications

### Physical properties

	Test standard	Value	Unit
Density	ISO 1183-A	1,8	g/cm <sup>3</sup>
Water absorption at 23 °C	ISO 62-1	0,2	mg/cm <sup>2</sup>
FL	IEC 60695-11-10	V-0	[-]

### Mechanical properties

	Test standard	Value	Unit
Compressive strength static	ISO 604	65	MPa
Bending strenght	ISO 178	120	MPa

### Thermal properties

	Test standard	Value	Unit
Thermal endurance 20,000 h (T.I)	IEC 60216	220	°C

### Friction properties

	Test standard	Value	Unit
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### Electrical properties

	Test standard	Value	Unit
Resistance to tracking (CTI)	IEC 60112	400	CTI
Permittivity 50Hz	IEC 60250	4	[-]
Permittivity 1MHz	IEC 60250	4	[-]
Dissipation factor 50Hz	IEC 60250	0,006	[-]
Dissipation factor 1 MHz	IEC 60250	0,006	[-]
Insulation resistance after submersion in water	IEC 60167	5000	MΩ