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Datasheet AISIGC21



AI SI GC 21 is a glass based composite with sillicone

Application

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

Material

sillicone with glass based composite

Availablity

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





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AISIGC21 - Specifications

Physical properties

	Test standard	Value	Unit
Density	ISO 1183-A	1,8	g/cm³
Water absorption at 23 °C	IS0 62-1	0,2	mg/cm²
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	ºC

Friction properties

	Test standard	Value	Unit

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

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