ASEC Products
Marketing 17
6921 RE Duiven
The Netherlands
T. +31 316 84 44 01
info@asecproducts.com
www.asecproducts.com

Datasheet AISIGC202



AI SI GC 202 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
Sheet thickness	0,15-150	mm
Sheet size	1250x1250/2500	mm





The information in this datasheet is provided for general purposes only and not meant to be a specific recommendation for any individual application. All values were determined under laboratory conditions. ASEC Products is not directly neither indirectly responsible for any claim resulting from the use of any information provided in this datasheet.
ASEC Products 2022 ©.

ASEC Products
Marketing 17
6921 RE Duiven
The Netherlands
T. +31 316 84 44 01
info@asecproducts.com
www.asecproducts.com

AISIGC202 - Specifications

Physical properties

	Test standard	Value	Unit
Density	ISO 1183-A	1,9	g/cm³
Water absorption at 23 °C	ISO 62-1	12	mg
Flammability	IEC 60695-11-10	V-0	[-]

Mechanical properties

	Test standard	Value	Unit
Compressive strength static	ISO 604	330	MPa
Module of elasticity - Youngs modulus	ISO 178	13000	MPa
Tensile strength	ISO 527	160	MPa
Impact strength	ISO 180/2A	45	Kj/m²
Bending strenght	ISO 178	135	MPa
Shear strength parallel	ISO 60893-2	15	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	0,003	[-]
Dissipation factor 1 MHz	IEC 60250	0,003	[-]
Insulation resistance after submersion in water	IEC 60167	100000	MΩ

The information in this datasheet is provided for general purposes only and not meant to be a specific recommendation for any individual application. All values were determined under laboratory conditions. ASEC Products is not directly neither indirectly responsible for any claim resulting from the use of any information provided in this datasheet.
ASEC Products 2022 ©.