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

Datasheet AIEPGC22



AI EP GC 22 Is a product made from industrial laminated materials. Value: Minimum requirements of DIN EN 60893. High resistance to chemicals. Particularly good, lasting strength properties and insulation values even at high application temperatures. Radiation-resistant. Can be used at cryogenic temperatures. Insulation and construction material in electrical machinery, transformers and chemical plants. High mechanical compression strength.

Application

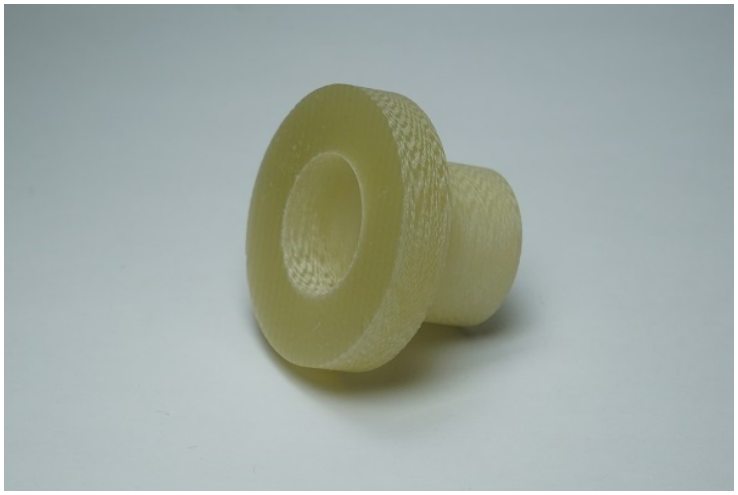
For heavy loaded construction parts with insulation properties

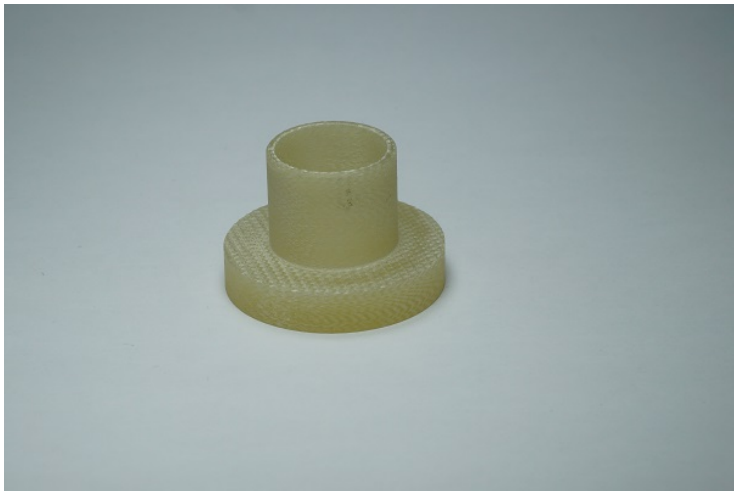
Material

Epoxy with woven glass cloth composite

Availablity

	Value	Unit
Tube inside diameter from	3	mm
Tube outside diameter	1270	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

AIEPGC22 - Specifications

Physical properties

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

Mechanical properties

	Test standard	Value	Unit
Compressive strength static		on request	
Module of elasticity - Youngs modulus		on request	
Tensile strength		on request	
Shear strength		on request	
Impact strength		7,7	Charpy or Izod
Bending strenght	ISO 178	325	MPa
Flexural strength	DIN EN 60893	300	MPa
Insulation resistance		1000	MΩ
Elastic modulus from bending test	DIN EN 60893	175	MPa
Compressive strenth perpendicular	DIN EN 60893	200	MPa

Thermal properties

	Test standard	Value	Unit
Thermal endurance 20,000 h (T.I)		on request	

Friction properties

	Test standard	Value	Unit

Electrical properties

	Test standard	Value	Unit
Dielectric strength parallel	DIN EN 60893	40	kV
Permittivity 50Hz	IEC 60250	4,5	[-]
Permittivity 1MHz	IEC 60250	4,5	[-]
Dissipation factor 50Hz	IEC 60250	0,01	[-]
Dissipation factor 1 MHz	IEC 60250	0,01	[-]
Insulation resistance after submersion in water		on request	

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 ©.