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

Datasheet AIPFCC21



AI PF CC 21 is suitable for mechanical applications. Reinforced with finer fabric than AI PF CC 22. Can be used, in particular, for mechanical applications where fine tolerances and smooth surface finish are required. Examples of applications are ball-bearing cages for spindle bearings and guide rings for hydraulic cylinders.

Application

Mechanical applications like ball-bearing cages for spindle-bearings arrangements, piston rings for hydraulic cylinders.

Material

Strengthened with fine tissue.

Availablity

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

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

AIPFCC21 - Specifications

Physical properties

	Test standard	Value	Unit
Density	ISO 1183-A	1,3	g/cm³
Water absorption at 23 °C	ISO 62-1	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		on request	
Bending strenght	ISO 178	100	MPa
Flexural strength		on request	
Insulation resistance		10	MΩ
Elastic modulus from bending test		110	MPa
Compressive strenth perpendicular		90	MPa

Thermal properties

	Test standard	Value	Unit
Thermal endurance 20,000 h (T.I)	IEC 60216	100	ºC

Friction properties

	Test standard	Value	Unit

Electrical properties

	Test standard	Value	Unit
Dielectric strength parallel		10	kV
Permittivity 50Hz	IEC 60250	0	[-]
Permittivity 1MHz	IEC 60250	0	[-]
Dissipation factor 50Hz	IEC 60250	0	[-]
Dissipation factor 1 MHz	IEC 60250	0	[-]
Insulation resistance after submersion in water	IEC 60167	200	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 ©.