

PRODUCT SPECIFICATION

FILTER MODULES



Product: **FILTRODISC™ AF 103**

Description: The plastic parts of filter modules are made of polypropylene (standard) or polyamide (HT / UHT modules). The encapsulated filter sheet is manufactured from specially selected raw materials such as purified and bleached cellulose and natural filter aids. These filter modules are used for high performance fine filtration in various industries due to its considerable thickness.

Physical properties: (Module)	Max. working temperature*	°C	82 resp. 110 (HT) / 180 (UHT)
	Max. differential pressure	bar	2.4
	Recommended rinsing volume	L/m²	50
	Recommended sterilization	Hot water / standard chemical agents	
*continuous			

			Min.	Max.	Method
Physical properties: (filter sheet)	Water value at 100 kPa	L/m ² ×min	98	121	EFT 2'97, part 4.1
	Weight	g/m ²	1300	1500	EFT 2'97, part 1.1
	Thickness	mm	3.60	4.00	EFT 2'97, part 1.2
	Density	g/cm ³	0.33	0.42	EFT 2'97, part 1.3
	Ash content	%	39.0	45.0	EFT 2'97, part 1.4

Chemical properties: (filter sheet) Extractable ions: measured by AAS-Method (atomic absorption spectroscopy, according to FDA and with recommendation XXXVI/1 of BfR) after a WFI flush (50 L/m²): < 50 ppm

Microbiological retention

Bacterial challenge**: N/A

Bacterial retention**: N/A

** not applicable, because this sheet is not a sterile filtering or germ reducing grade.

Principal component(s): Module: Polypropylene / Polyamide, gaskets (optionally MVQ, NBR, PTFE, FKM, FEP or EPDM)
Filter sheet: Cellulose, perlite, natural kieselguhrs

Components < 3%: Polyamidoamine

Packaging: Standard sizes of FILTROX filter modules are packed in hygienic film and placed in cardboard boxes. Packaging for special dimensions can also be provided.

The information given is the current status as of the publication date of this paper. We request each end-user to check the suitability of their products with the filtration types which are listed in this leaflet. This leaflet may not necessarily be complete.