

Product PN	M09G0500HxxxxE *	PRELIMINARY	
		FIR&D RELEASED	Mod. 984d
Description	HYDROPHOBIC, HAEMOREPELLENT 5.0 μm FORTEX MEMBRANE	FIRELEASED	Rev. 05

# HYDROPHOBIC AND HAEMOREPELLENT 5.0 μm PVDF FORTEX MEMBRANES



PRODUCT DESCRIPTION	PVDF hydrophobic and haemorepellent 5.0 $\mu m$ membranes cast on a nonwoven polyester support. Two-sided. Provided in rolls of different widths.			
APPLICATIONS	The product is ideal for venting in medical applications.			
MATERIALS COMPONENTS	Polymer: PVDF homopolymer			
MATERIALS COMPONENTS	Polymer: PVDF homopolymer Support: Polyester non-woven			

PRODU	CT	
CHARA	CTER	ISTICS

Appearance/Visual: White porous ribbons

Dimensional:						F14 361	
Standard Product code	Width*	Thickness	Max roll diameter	Standard length	Min length roll	Max length roll	Internal core diameter
M09G0500H0254E	25.4 mm						
M09G0500H0340E	34.0 mm	1					
M09G0500H0381E	38.1 mm						
M09G0500H0787E	78.7 mm	135 – 185	220 mm	125 m	90 m	180 m	76 ± 0.8
M09G0500H1524E	152.4 mm	μm					mm
M09G0500H2540E	254.0 mm						
M09G0500H3048E	304.8 mm						
M09G0500H3302E	330.2 mm						
M09G0500H4500E	450.0 mm						

For other available widths, please contact the sales representative of your country.

The following product specification is valid also for other part numbers M09G0500xxxE that do not appear in the table above.

\* For width  $\leq$  15.5 mm : Tolerance  $\pm$  0.2 mm For width > 15.5 mm : Tolerance  $\pm$  0.8 mm

<sup>\*</sup> M09G0500HxxxxE, where xxxx is the width of the roll. For instance xxxx=3302 means 330.2 mm



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Description	HYDROPHOBIC, HAEMOREPELLENT 5.0 μm FORTEX MEMBRANE	RELEASED	Rev. 05	
	Physical:			
	Test	Resul		
	Air Flow GVS Internal GVS internal procedure IC303	AF ≥ 81 I/min on 1		
	Water Break Through GVS internal procedure IC305	≥ 0.1 b	ar	
	Haemorepellency GVS internal procedure IC660  Oleorepellency grade AATCC 118-2002	Yes ≥ 3.5		
	Hydrorepellency grade DuPont Teflon test	≥ 3.5		
	Trydrorepenency grade Duront renon test	2 9.3		
	Biological:			
	Test	Standards/ procedures of ref	Result	
	Bacteria filtration efficiency test (BFE) using Staphylococcus aureus	ASTM F2101	96%	
	Chemical toxicity and solvent detection	UNI EN ISO 1135-4 (Annex B) UNI EN ISO 8536-4 (Annex B)	Non toxic	
	Cytotoxicity-MEM elution in vitro	UNI EN ISO 10993-5 (Annex C)	Non cytototxic	
	Intracutaneous reactivity test	UNI EN ISO 10993-10	Non-irritant	
	Delayed hipersensitivity test (Guinea-pig maximization test - GPMT)	UNI EN ISO 10993-10	0% Sensitization	
	Acute systemic toxicity	UNI EN ISO 10993-11	Non-toxic/non- irritant	
	In vitro haemolysis test	UNI EN ISO 10993-4 according to Italian Pharmacopoeia	Non hemolytic	
	Haemocompatibility	UNI EN ISO 10993-4	Hemocompatible	
	Regulatory Documentation		TOTAL STEEL	
	Reg. 1907/2006/EC (REACH)			
	Directive 2011/65/EU (RoHS)			
	BPA, DEHP and Latex free			
	Directive 2003/32/EC (TSE-BSE)			
	UNI EN ISO 10993-1 (Biocompatibility)			
	Directive 67/546/EC and Reg.1272/2008/EC (Medical sector dange	erous substances)		
STERILIZATION COMPATIBILITY				
JOHITA HOLLIT	The product is NOT provided in sterile conditions (compatible ster	ilization method listed below)		
	Method			

FTO ETO

Gamma (25 kGy)

✓ Autoclave (121°C)

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Product PN	М	090	G0500HxxxxE *		FIR&D RELEASE	Mod. 984
Description F			PHOBIC, HAEMORE MEMBRANE	EPELLENT 5.0 μm	μm FI RELEASED	Rev. 05
PRODUCT SHELF LIFE	5 y	ears				
STORAGE		p the dition		nvironment, away from direct light a	and excessive temperatur	re and humidity
PACKAGING AND LABELLING	A se Ano Each	cond ther I h labe - - - -	PE bag collects all rolls with the barcode label is applied outside of reports the following traceabil Quantity  Product description  Product date and time	the box, with reference to the cumulity information: tch number to trace back to raw ma	ulative quantity.  uterials used)	
CERTIFICATE OF COMPLIANCE /ISUAL REQUIREMENTS	The Visu Ligh	Quali al acc t type	ity management system in comp ceptance requirements apply whe: unaided eye + lamp	ry invoice with a statement accordir pliance with ISO 9001.  hen inspected under below condition		<u></u>
			30 – 45 cm 5 sec per unit			
			ceptance Requirement	AQL	Sar	npling Plan
		1	Embedded contaminations	For width≤ 20mm ->Max 2/lm  For 20 mm <width≤ -="" 60mm=""> M</width≤>	ax 5/lm	
		2	Loose contaminations	For 60 mm < width ≤ 130mm ->I	sampled	
		3	Grease, stains	0 defects		2
		4	Splices/cross-tape for each rolls	Max 7		

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This material specification describes the properties of product above indicated.
This document contains general requirements, material description, drawing references, defect specification, biological material requirements.

#### **REVISIONS AND APPROVALS:**

Date	Rev.	Reason For Change	Issued by:	Controlled by:	Approved by:
09.02.2021	00	First emission	Marta Bojarska R&D Membrane and Chemistry Manager	Annarita Trotta AQP  Aunorta Trotta	Luca Querzè VP Science & Development

Customer App	roval:		
We accept this m	aterial specification as a part of the agreed to	erms of delivery	
Company name			
Approved by:	(Name, Function)	(Signature)	
Date			
		(Company stamp)	

Please send back this document signed for approval. If we will not receive this specification signed, we consider the first order placed as implicit approval.

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