PRODUCT SPECIFICATION

Product PN	**1214588, 1215037, 1215032, 1214726, 1214429, 1213992, 1212644, 1212636, 1212637, 1212783, 1212639, 1222216, 1222218, 1212781, 1214802, 1214558, 1212642**
	Mod. 984
	Rev. 02
Description	**Polyvinylidene Fluoride (PVDF) Transfer Membrane**

Polyvinylidene Fluoride (PVDF) Transfer Membrane

PRODUCT DESCRIPTION

Polyvinylidene Fluoride (PVDF) Transfer Membrane

	Dimensions (mm) Packaging								
	70x84 10/pk	90 x 100 10/pk	90 x 120 10/pk	100x100 10/pk	150x150 5/pk	200x200 5/pk	150 x 3000 1/pk	200x3000 1/pk	300x3000 1/pk
0.22 um	1214588	1222216	n/a	n/a	1215037	1215032	n/a	1214726	1214429
0.45 um	1213992	1214558	1212642	1212644	1212636 1222218*	1212637 1214802*	1212781	1212783	1212639

* 25/pk

GVS PVDF is a naturally hydrophobic, unsupported transfer membrane.

MANUFACTURER NAME

GVS North America
63 Community Drive
Sanford, Maine, 04073
USA
Phone: +1.866.736.1250
eMail: CustomerCareGVSLS@gvs.com - Website: www.gvs.com

INTENDED USE / APPLICATION

PVDF is ideal for use in Western blotting, immunoblotting and solid phase assays. PVDF has good protein binding capacity, broad chemical compatibility and superior strength.

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Description **Polyvinylidene Fluoride (PVDF) Transfer Membrane**

MATERIALS

Transfer membrane: unsupported polyvinylidene fluoride (PVDF)

Regulatory Documentation Required:

- ☐Biocompatibility according ISO 10993-1
- ☐IMDS
- ☐Rohs, directive 2002/95/CE
- ☒BSE/TSE, directive 2003/32/CE
- ☐DEHP plasticizer and latex free
- ☐Aging
- ☒Reach 1907/2006/CE (hazardous substances regulation)
- ☐Dir. 67/548/CE and Reg. 1272/2008/CE (medical sector dangerous substances)
- ☒Conflict minerals
- ☐ USP Class VI

PRODUCT CHARACTERISTIC

Appearance/Visual: Membrane has sidedness. There is a smooth side and a textured side. Transfer to the smooth side of the membrane.

Functional:

		Flow Time (s)	Volume/Vacuum (ml/in Hg)	Flow Rate (ml/min/cm^2 @ 10 psi)	Bubble Point (psi)	Thickness (microns)	BSA protein binding capacity (µg/cm^2)
Pore Size (µm)	0.22	100-500	250/20	3.18-15.91	40-60	140-250	70-80
	0.45	35-200	250/20	7.95-45.45	25-40	140-250	60-70

PRODUCT SHELF LIFE

5 years in normal storage conditions.
Store the product at room temperature and free of dust.

STERILIZATION

This is a non-sterile product, compatible with these sterilization techniques*:

☒EtO
☒Gamma (25 kGy)
☒Autoclave (121°C)

**user has the responsibility to validate their process*

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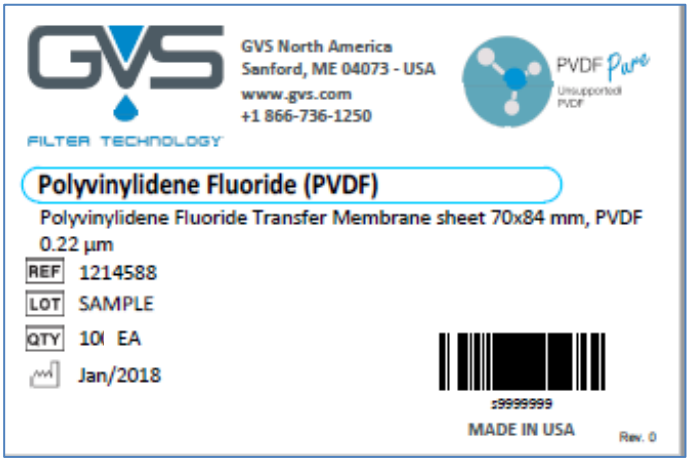
PACKAGING AND LABELLING	For sheets: the membrane sheets are interleaved with blue parchment paper, placed in a mailer and shrinkwrapped. For rolls, the membrane is wrapped with blue parchment paper. The rolls are placed on a core and inserted into a plastic sleeve. The rolls are placed in a labeled box and shrinkwrapped. 
CERTIFICATE OF COMPLIANCE	A conformity declaration will be sent to the customer for each shipment with lot number and date of manufacture. The Quality management system is in compliance with ISO 9001:2015.
VISUAL REQUIREMENTS	Magnification: None Light type: Ambient

Acceptance Requirement		Sampling Plan
Creases/Folds	None	100% Inspection
Cracks	None	
Pin Holes	None	
Wrinkles	None	
Tension Lines	None	

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Mod. 984

Rev. 02

Description Polyvinylidene Fluoride (PVDF) Transfer Membrane

PERFORMANCE REQUIREMENTS

Acceptance Requirement		Standard Test Method	0.22 µm pore size	0.45 µm pore size
1	Flow Rate (ml/min/cm^2 @ 10 psi)	ASTM F 316-03 (2011)	3.18-15.91	7.95-45.45
2	Bubble Point (psi)	ASTM F 316-03 (2011)	40-60	25-40
3	Thickness (microns)	N/A	140-250	140-250

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 AND CONTROLLED BY: (name /function and signature)	APPROVED BY: (name /function and signature)
October 8, 2019	0	Initial release	Debra English Manager Biochemistry Applications	Kevin Wrigley Director, Quality
Dec. 4, 2019	1	Added pn's 1222216, 1222218, 1212781, 1214802, 1212642	Debra English Manager Biochemistry Applications	Kevin Wrigley Director, Quality

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Description	**Polyvinylidene Fluoride (PVDF) Transfer Membrane**	

CustomerApproval:

We accept this material specification as a part of the agreed terms 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.