

Product PN	1215047, 1215057, 1215069, 1220987, 1227264, 1239558	Mod. 984
Description	0.03 µm Hydrophilic Polycarbonate Track-Etched Membrane Sheets	

0.03 um Hydrophilic Polycarbonate Track Etched Membrane Sheets



PRODUCT DESCRIPTION	0.03 um PCTE, treated with PVP			
	Part Number	Geometry	Dimensions	Packaging
	1215047	Disc	13 mm	100/Pk
	1215057	Disc	25mm	100/Pk
	1215069	Disc	47mm	100/Pk
	1220987	Disc	90 mm	30/pk
	1227264	Sheet	203x254mm	30/Pk
	1239558	Sheet	300x3000mm	1/Pk
MANUFACTURER	GVS North America, Inc. 63 Community Drive Sanford, ME 04073 Phone: +1.866.736.1250 Email: CustomerCareGVSLS@gvs.com Website: www.gvs.com			
INTENDED USE/ APPLICATION	Typical Applications:			
MATERIALS	Film: Polycarbonate treated with wetting agent Polyvinyl Pyrolidone (PVP) 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 CHARACTERISTICS	 Absolute pore size and density allows for precise size separation Direct thickness and pore size measurements provide accurate characteristics Superior strength allows for aggressive handling Low protein binding ensures clean results Resists chemical staining to ease microscopic visualization Passes USP Class VI testing 			



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Nominal Characteristics:

Attribute	Result
Thickness (um)	5-7 um
BSA Protein Binding	5 μg/cm²
Max. Operating Temperature	284°F (140°C)
Sealing Compatibility	Ultrasonic, Heat, Radio Frequency, and Insert Molding
Refractive Indices	Birefringent at 1.584 and 1.625
Water Adsorption (% wt. gain 24-hr immersion)	0.24%
Residual Ash Weight Average	0.92 μg/cm ²
Leachables	Negligible
Wetting Characteristics	Hydrophilic
Burst Strength Minimum	0.7 bar (10 psi)
Migration of Filter Media	0

PRODUCT SHELF LIFE

5 years in normal storage conditions:

Store the product at room temperate, in a dry place, free of dust and not exposed to direct sunlight.

STERILIZATION

This product is compatible with these sterilization techniques:

⊠EtO

⊠Gamma (25 kGy)

⊠ Autoclave (121°C)

*Sterilization is not required

PACKAGING AND LABELING

• Primary packaging:

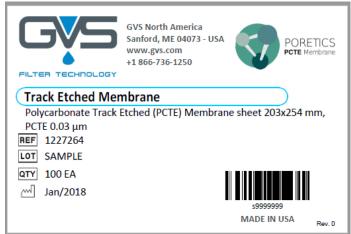
Product	Interior package	Exterior package
13, 19, 25, 47 mm	Discs separated by blue paper in a	Clear/white plastic box
Discs	thermoformed tray	
62, 76, 90, 142,	Discs separated by blue paper	Round container
293 mm Disc		
203 x 254 mm	Sheets separated by blue paper	White mailer
sheet		
300 x 3000 mm	Single sheet wrapped on a plastic	Cardboard box
	core	

- Each configuration will be labeled with:
 - o Quantity
 - Product item code and description
 - o Manufacturing date
 - Lot number
 - o Storage conditions



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CERTIFICATE OF COMPLIANCE

A conformity declaration will be sent to the customer for each shipment with the lot number and date of manufacture. The Quality management system is in compliance with ISO 9001.

VISUAL REQUIREMENTS

Visual acceptance requirements apply when inspected under the below conditions:

Magnification: None Light type: Standard

Acceptance Requirement			Sampling Plan
1	Creases/Folds: lines which do not disappear when the membrane is placed under tension	None	
2	Cracks: areas where the membrane is bent to the point of fracture	None	
3	Pinholes: openings or perforations in the membrane	None	
4	Tension Lines: lines which disappear when the membrane is placed under tension	Max. 3 (not continuous)	100% inspection
5	Wrinkles (A): wavy surfaces which disappear when the membrane is placed under tension	Minimal	
6	Wrinkles (B): wavy surfaces which do not disappear when the membrane is placed under tension	None	

PERFORMANCE REQUIREMENTS

		Acceptance Requirement	Specification	Master Roll Sampling Plan
	1	Pore Size (µm)	0.024-0.030	left, middle, & right every 120m
	2	Pore Density (pores/cm²)	6.0x10E8±15%	left, middle, & right every 120m
	3	Air Flow (L/min/cm ² @ 10 psi)	≥0.08	left, middle, & right every 120m
	4	Bubble Point (psi) (measured using IPA)	N/A	left, middle, & right every 120m

This material specification describes the properties of product above indicated.

This document contains general requirements, material description, drawing references, defect specification, and biological material requirements.



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REVISIONS AND APPROVALS:

DATE	REV	REASON FOR CHANGE	ISSUED AND CONTROLLED BY: (name /function and signature)	APPROVED BY: (name /function and signature)
5/31/18	0	Initial Release	Yuander Ju/Director of TEM	Kevin Wrigley/Director, Quality

CUSTOMER APPROVAL:

We accept this m	aterial specification as a part of the agreed	terms of delivery.
Company name _		
Approved by:		
l	(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.