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Product PN	1221286, 1215188, 1221230	Mod. 984		
Description	5.0 µm Black Hydrophilic Polycarbonate Track-Etched Membrane in Discs and Sheets	Rev. 02		

#### 5.0 um Black Hydrophilic Polycarbonate Track Etched Membrane



DESCRIPTION	Part Number	Geometry	Dimensions	Packaging		
	1221286	Disc	13mm	100/Pk		
	1215188	Disc	25mm	100/Pk		
	1221230 Disc 47mm 100/Pk					
MANUFACTURER	GVS North America, 63 Community Drive Sanford, ME 04073 Phone: +1.866.736.1 Email: CustomerCare Website: www.gvs.cc	250 eGVSLS@gvs.com				
INTENDED USE/ APPLICATION	Typical Applications:					
MATERIALS	Regulatory Documer  Biocompatibilit  IMDS  Rohs, directive  BSE/TSE, directive  DEHP plasticiz  Aging  Reach 1907/20  Dir. 67/548/CE	<ul> <li>☑ Rohs, directive 2002/95/CE</li> <li>☑ BSE/TSE, directive 2003/32/CE</li> <li>☑ DEHP plasticizer and latex free</li> <li>☑ Aging</li> <li>☑ Reach 1907/2006/CE (hazardous substances regulation)</li> <li>☑ Dir. 67/548/CE and Reg. 1272/2008/CE (medical sector dangerous substances)</li> <li>☑ Conflict minerals</li> </ul>				
PRODUCT CHARACTERISTICS	<ul><li>Direct thickn</li><li>Superior stree</li><li>Low protein</li><li>Resists cher</li></ul>	ess and pore size mea ength allows for aggres binding ensures clean				



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	Nominal Characteristics:				
	Attribute	Result			
	Thickness (um)	9-11 um			
	BSA Protein Binding	5 μg/cm <sup>2</sup>			
	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-h immersion)	0.24%			
	Residual Ash Weight Average	0.92 μg/cm <sup>2</sup>			
	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	Product Interior packa	age Exterior package			
LABELING	13, 25, 47 mm Discs separa thermoforme	ted by blue paper in a Clear/white plastic box, 4 5/8" d tray x 3 1/2" x 3/4"			
	Each configuration will be labeled with:				



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				Track Etched Mer Polycarbonate Track mm, PCTE 5 μm REF 1221286 LOT SAMPLE QTY 100 EA Μ Jan/2018		4073 - USA 50	999	
CERTIFICATE OF COMPLIANCE				laration will be sent The Quality manage				the lot number and d
VISUAL REQUIREMENTS	Mag	Visual acceptance requirements apply when inspected under the below conditions: Magnification: None Light type: Standard					ditions:	
		Acceptance Requirement			Sampling Plan			
		1		Creases/Folds: lines which do not disappear when the membrane is placed under tension				
		2	Cracks	Cracks: areas where the membrane is bent to the point of fracture				
		3	Pinholes	s: openings or perfo	rations in th	ne membrane	None	
		4	Tension Lines: lines which disappear when the Max 3 (not					
		4						100% inspection
		5	Wrinkles		d under ter s which disa	nsion appear when		100% inspection
			Wrinkles Wrinkles	membrane is place s (A): wavy surfaces	ed under ter s which disc ced under t s which do r	appear when ension	continuous)	100% inspection
PERFORMANCE REQUIREMENTS		5	Wrinkles th Wrinkles wher	membrane is place s (A): wavy surfaces ne membrane is places s (B): wavy surfaces	d under ter s which disa ced under t s which do r placed under	appear when ension	Minimal  None	100% inspection
PERFORMANCE REQUIREMENTS	1	5	Wrinkles th Wrinkles wher	membrane is place s (A): wavy surfaces ne membrane is place s (B): wavy surfaces n the membrane is p	d under ter s which disa ced under t s which do r placed under	asion appear when ension not disappear er tension	Minimal None  Master	
	1 2	5	Wrinkles Wrinkles wher	membrane is place s (A): wavy surfaces ne membrane is place s (B): wavy surfaces in the membrane is potance Requirement	d under ter s which disa ced under t s which do r placed under	appear when ension not disappear er tension  Specification	Minimal None  Master left, midd	Roll Sampling Plan
	l	5	Wrinkles th Wrinkles wher Accep	membrane is place s (A): wavy surfaces ne membrane is places s (B): wavy surfaces in the membrane is potance Requirement Pore Size (µm)	ed under ter s which dis- ced under t s which do r placed under t	appear when ension ot disappear er tension  Specification 4.0-5.0	Minimal  None  Master left, midd	Roll Sampling Plan

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.

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



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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:			
	(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.