



452 DIENS DRIVE, WHEELING, ILLINOIS 60090

Phone: 847-541-1960

Fax: 847-541-4525

MATERIAL SAFETY DATA SHEET

MANUFACTURER'S NAME

CPI, Inc.

EMERGENCY PHONE NUMBER

(847) 541-1960

ADDRESS

452 Diens Drive Wheeling, Illinois 60090

TRADE NAME AND SYNONYMS

Verilon® Vinyl

PRODUCT SAFETY INFORMATION

This Product Safety Information Sheet is principally directed to managerial, safety, hygiene and medical personnel. The description of physical and chemical properties and handling advice is based on experimental results and past experience.

1. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name and Synonyms: Plasticized polyvinyl chloride film

Chemical Family: Compounds of PVC, Ester plasticizer, and Minor ingredients

Formula: Same as chemical family

Boiling Point (°F)	N/A	Specific Gravity (H ₂ O=1)	1.2-1.7
Vapor Pressure (mm Hg.)	N/A	Percent Volatile by Volume	< 7%
Vapor Density (air=1)	N/A	Evaporation Rate	N/A
Solubility in water	SLIGHT		

2. HAZARDOUS INGREDIENTS

Paints Preservatives & Solvents %

Pigments (TiO ₂ & Others)	0 - .30
Catalyst	0
Vehicle	0
Solvents	0
Additives (CaCO ₃ , Stabilizer)	2 - 10

ALLOYS AND METALLIC COATINGS %

Base Metal	0
Alloys	0
Metallic Coatings	0
Filler Metal plus Coating	
or Core Flux	0
Others	0

Hazardous Mixtures of Other Liquids, Solids, or Gases: N/A

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3. FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method used): 320°C - 390°C (ASTM D-1929)

Extinguishing Media: Water, dry chemical, CO₂

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and preventive clothing to prevent contact with skin and eyes.

Unusual Fire and Explosion Hazards: Not known

4. HEALTH HAZARD DATA

Threshold Limit Value: Not established

Effects of Overexposure: Non-expected

Emergency and First Aid Procedures: If irritation persists from processing vapors or decomposition products, remove individual from the area.

5. REACTIVITY DATA

Stability: Stable X Unstable

Incompatibility: Oxidizing materials can cause a reaction

Hazardous Decomposition Products: HCL, CO, CO₂, Benzene, Aromatic and Aliphatic Hydrocarbons

Hazardous Polymerization: May Occur Will Not Occur X

6. SPILL OR LEAK PROCEDURES

Steps To Be Taken In Case Material Is Released or Spilled: N/A

Waste Disposal Method: Use approved disposal methods as recommended by State and Local Agencies

7. SPECIAL PROTECTION INFORMATION

Respiratory Protection: None should be needed

Local Exhaust Ventilation: None should be needed

Mechanical Exhaust Ventilation: Recommended

Special Exhaust Ventilation: None known

Protective Gloves: Use when material is heated

Eye Protection: Recommended for all industrial workplaces

Other Protective Equipment: None should be needed

8. SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling And Storing: Use applicable fire and safety code precautions for warehouse sprinklers

Other Precautions: Always wear rubber gloves when cleaning exhaust equipment or other surfaces



USE AND CARE INSTRUCTIONS

Because it is pliable, vinyl can easily be scratched and caution needs to be exercised when working with the material.

When cutting, sewing or sealing, make certain that all surfaces are clean and smooth.

Clear vinyl should be cleaned regularly to remove dirt. Abrasive cleaners cannot be used on window vinyl. Cleaning should be done with a mild vinyl cleaner or basic mild neutral soap such as Ivory or Lux mixed with lukewarm water. Rinse thoroughly with water. Do Not Use Detergents.

Vinyl windows and curtains should not be folded and stored for an extended period of time when damp or wet.

VERILON® Double-Polished Clear Vinyl available in rolls in the following gauges, widths, lengths and types:

DIMENSIONS	TYPE	COMMON USES
.008"x54"x165 yds.	Clear (Matte also available)	Inside Storm Windows, Shower Curtains, Shop Aprons, Protective Sleeves, Safety Capes, Advertising Specialties
.010"x36"x90 yds	Clear	Industrial Uses
.012"x54"x100 yds.	Clear (Matte also available)	Industrial Uses
.012"x54"x100 yds.	Clear Flame Resistant	Tent Side Walls & Windows, Industrial Uses (California Fire Marshal & NFPA-701)
.016"x54"x72 yds.	Clear	Advertising Specialties, Protective Bags & Covers
.016"x54"x36 yds.		Industrial Uses
.016"x54"x72 yds.	Clear Flame Resistant	Tent Side Walls & Windows, Industrial Curtain Walls (California Fire Marshal & NFPA-701)
.020"x54"x61 yds.	Clear Marine Grade	Boat Windows & Miscellaneous Marine Uses
.020"x54"x30 yds.		Protective Covers
.020"x54"x61 yds.	Clear Marine Grade, Low Temp & 600 HR UVI	Industrial Uses where -20° F Cold Crack is Needed mildew inhibitor & extra UV inhibitor
.020"x54"x30 yds.	Grey Marine Grade	Boat Windows & Curtains
.020"x54"x61 yds.	Clear Flame Resistant	Tent Side Walls & Windows, Industrial Curtain Walls (California Fire Marshal & NFPA-701)
.020"x54"x30 yds.		
.030"x54"x40 yds.	Clear Marine Grade	Boat Windows & Curtains
.030"x54"x20 yds.		Miscellaneous Industrial
.030"x50"x40 yds.	Clear Flame Resistant	Curtains and Industrial Uses (California Fire Marshal & NFPA-701)
.040"x48"x40 yds.	Clear	Miscellaneous Industrial Uses

PHYSICAL PROPERTIES TEST RESULTS of 8 to 40 GAUGE, 42 phr, DPC.

GAUGES

		.008	.010	.012	.016	.020	.030	.040	TEST METHOD
Tensile strength	MD	2800	2800	2800	2800	2800	3000	3000	ASTM D-882
	psi min. CD	2600	2600	2600	2600	2600	2500	2500	
Ultimate elongation	MD	270	270	290	290	290	220	220	ASTM D-882
	% min. CD	290	290	300	300	300	250	250	
Tear Strength	MD	3.10	3.30	4.40	6.10	7.00	10.20	10.20	ASTM D-1004
	lbs. min. CD	3.00	3.05	4.15	5.25	6.35	10.00	10.00	
Dimensional stability	MD	- 4.0	- 2.0	- 2.0	- 2.0	- 1.8	- 1.0	- 1.0	ASTM D-1204
	% max. CD	+ 1.2	+ 1.0	+ 1.0	+ 1.0	+ 1.0			
Extraction in soapy water	% max	- 1.5	- 1.5	- 1.5	- 1.0	- 1.0			ASTM D-1239
Volatility	% max.	- 2.0	- 1.8	- 1.5	- 1.2	- 1.2			ASTM D-1203
Pin Hole per square yard		None	None	None	None	None	None	None	by visual
Blocking at 158° F		Good	Good	Good	Good	Good			158 Fx48hrs
Cold Crack at 0° F		Pass	Pass	Pass	Pass	Pass	Pass	Pass	ASTM D-1593
Crocking dry & wet		Good	Good	Good	Good	Good	Good	Good	ASTM D-1593

CONTINENTAL PLASTIC COMPANY
452 Diens Dr Wheeling, IL 60090
Phone: 800-323-1056 Fax: 847-541-4525
www.verilonvinyl.com



Sure-Chek® 44 Green

#100661

TYPICAL PROPERTIES REPORT

PROPERTY			TEST METHOD	AVERAGE TEST RESULTS		DESCRIPTION
PHYSICAL PROPERTIES						
English		Metric		English	Metric	
Weight	(oz. per sq. yd.)	g/m ²	ASTM D3776	12 oz. +/- 10 %	407 g +/- 10%	Lightweight, high strength
Flame Resistance			ASTM D6413	Pass		Inherent flame reistance to minimize fire hazards
Cigarette Ignition			16 CFR Part 1632	Class A		Classified as Class A (Barrier) materials
Breaking Strength	(lbs./ in)	N/25 mm	ASTM D5034	W 240 F 205	W 1067 F 912	Construction designed for ticking fabrics
Tear Strength	(lbs.)	N	ASTM D2261	W 110 F 120	W 489 F 534	Excellent tear strength, punctures will not produce running rips.
Hydrostatic Burst	(PSI)	kPa	ASTM D751/A	390	2689	Constructed with non-penetrable surface. Liquid, body waste and hospital medicaments cannot penetrate.
Adhesion	(lbs./2 inches)	N/50 mm	ASTM 751 (Free peel)	Cannot Separate		Resistant to delamination from flexing action of hospital bed.
BIOLOGICAL PROPERTIES						
Antimicrobial to protect the fabric			ISO 22196	Pass		Resistant to organisms that degrade, stain, or impart odors.
ELECTRICAL PROPERTIES						
Surface Conductivity, OHMS/SQ			AATCC 76	1 x 10 ¹¹ Max		Permanent, not a surface treatment. Prevents build-up or retention of dangerous electrostatic charges.

FABRICATION: Capable of being fabricated by stitching, welding and/or cementing - can be patched, seamed and repaired

MAINTENANCE: Only necessary to wipe down with mild soap suds, rinse with warm water, when soiled. Disinfection, if required, follow manufacturers' recommended instructions for disinfectant used.

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HERCULITE PRODUCTS, INC.

P.O. BOX 435, Emigsville, PA 17318 USA

(800) 772-0036 FAX: (717) 764-5211 www.herculite.com