

CATEGORY		PVC or PVDF/PVC Coated Polyester										
Trade Name of Fabric		Apollo	Ennis 1974	Heroules	Mercury	Sampson	502 Satin	702 S2 with back PVDF	902 S2	Preconstraint 502 Stripes - Three color	Solhis B-702	Stiam 6002L
Trademark Holder/Supplier		J. Ennis Fabrics	J. Ennis Fabrics	J. Ennis Fabrics	J. Ennis Fabrics	J. Ennis Fabrics	Serge Ferrari North America	Serge Ferrari North America	Serge Ferrari North America	Serge Ferrari North America	Serge Ferrari North America	Serge Ferrari North America
Durability	Warranty	2 Years	10 Years	2 Years	2 Years	2 Years	10 Years awnings, 5 Years other	7 Years	10 Years	10 Years awnings, 5 Years other	5 Years	8 Years
	Water Repellent	X	X	X	X	X	X	X	X	X	X	X
	Flame Resistance Cited to CSFM		X					X	X	X	X	X
	Flame Standard - Others	En-1176-10 Playground Equipment Surface, En 1021-1 Cigarette Test, Match lighting	NFPA-701 Large Scale & CAN/ULC S109	Motor Vehicle Safety Standard 302	En-1176-10 Playground Equipment Surface, En 1021-1 Cigarette Test, Match lighting	NFPA-701 Large Scale & Motor Vehicle Safety Standard 302 & CPAL-84	ASTM E84-03, CAN UCL S109, NFPA 701, CSFM	NFPA-701	NFPA-701	ASTM E84-03, CAN UCL S109, NFPA 701, CSFM	ASTM-E-84, Class A; NFPA-701	ASTM E84 -03, CAN ULC S109, NFPA 701, CSFM
	Mildew Resistance Cited to ASTM G21	X	X	X	X	X	X	X	X	X	X	X
Aesthetics	Wick Resistance											
	Colors Available-Top	9 Colors	18 Colors	7 Colors	14 Colors	12 Colors	40	White, Aluminum	White	12 Three-color Stripes	1	15
	Colors Available - Underside	9 Colors	18 Colors	7 Colors	14 Colors	12 Colors	40	White, Black, Grey	White	White	Black/White Matte	15
	Opaque							X			X	
	Inherently Translucent						X	X	X	X	X	X
Graphics	Back-Lit											
	Heat Transfer Films		X				Film, Paints	Film, Paints	Film, Paints	Film, Paints	Film, Paints	Film, Paints
	Heat Sealed Inset Fabric		X				X	X	X	X	X	X
	Sewn-In Inset Fabric						X	X	X	X	X	X
	Eradication											
Graphics	Pressure-Sensitive Vinyl		X				X	X	X	X	X	X
	Silk Screening		X			X	X	X	X	X	X	X
	Hand Painting		X				X	X	X	X	X	X
	Digital Printing						Solvent Inks, UV Inks	Solvent Inks, UV Inks	Solvent Inks, UV Inks	Solvent Inks, UV Inks	Solvent Inks, UV Inks	Solvent Inks, UV Inks
	Heat Sealable (w/o Seam tape)						X	X	X	X	X	X
Handling	Heat Sealable (w/seam tape)						X	X	X	X	X	X
	Shrinkage cited to ASTM D1204											
	Stretch Factor Cited to ASTM D4851; CFFA 15											
	Cleaning Agents Available						X	X	X	X	X	X
	Base Fabric	Polyester	Polyester	Polyester	Polyester	Polyester	High-tenacity Polyester	High-tenacity Polyester	High-tenacity Polyester	High-tenacity Polyester	High-tenacity Polyester	High-tenacity Polyester
Construction	Finish Type or Coating	Polyvinyl Chloride	Polyvinyl Chloride	Polyvinyl Chloride	Polyvinyl Chloride	Polyvinyl Chloride	Weldable PVDF/PVC Coated	Weldable PVDF/PVC Coated	Weldable PVDF/PVC Coated	Weldable PVDF/PVC Coated	PVC Coated	Weldable PVDF/PVC Coated
	Standard Put Up (Per Roll)	50 yd	50 yd	30 yd	50 yd	50 yd	43 yd	54.68, 273.40 yd	273.40 yd	54.68 yd	54.68 yds	54 yd
	Finished Width(s)	81 in	72 in	61 in	61 in	61 in	70.87 in	70.87, 105 in	105 in	70.87 in	70.87 in	67 in
	Finished Weight (per Sq. Yd)	18 oz	19 oz	14 oz	18 oz	18.5 oz	16.7 oz	22 oz	28 oz	17.4 oz	22 oz	14.7 oz
	Fabrication or Technical Manual						X	X	X	X	X	X
Support Materials	Specification Sheet Available	X	X	X	X	X	X	X	X	X	X	X

CATEGORY	PVC or PVDF/PVC Coated Polyester				Solution Dyed Acrylic									
	TX 30 Type I with back PVDF	TX 30 Type II with back PVDF	Soluna	Sundown	Sundown	Sundown	Sunbrella®	Sunbrella® Clarity	Sunbrella® InkJet/White	Sunbrella® Plus	Sunbrella® Unity	Dickson Orchestra Soleil Collection®		
Trade Name of Fabric	Serge Ferrari North America	Serge Ferrari North America	Value Vinyls	Covin Sales & Converting	Covin Sales & Converting	Covin Sales & Converting	Glen Raven Custom Fabrics	Glen Raven Custom Fabrics	Glen Raven Custom Fabrics	Glen Raven Custom Fabrics	Glen Raven Custom Fabrics	Glen Raven Custom Fabrics		
Trademark Holder/Supplier	Serge Ferrari North America	Serge Ferrari North America	Value Vinyls	Covin Sales & Converting	Covin Sales & Converting	Covin Sales & Converting	Glen Raven Custom Fabrics	Glen Raven Custom Fabrics	Glen Raven Custom Fabrics	Glen Raven Custom Fabrics	Glen Raven Custom Fabrics	Glen Raven Custom Fabrics		
Warranty	15 Years	20 Years	5 Years	10 Years	10 Years	10 Years, Limited	5 Years	3 Years	5 Years	5 Years	10 Years, Limited			
Water Repellent	X	X	X	X	X	X	X	X	X	X	X	X		
Flame Resistance Cited to CSFM	X	X	X				CA TB117-Class 1							
Flame Standard - Others	NFPA-701, CSFM	NFPA-701, CSFM	ASTM-E-84, NFPA-701											
Mildew Resistance Cited to ASTM G21	X	X	X	X	X	X	X	X	X	X	X	X		
Wick Resistance	X	X	X	X	X	X	X	X	X	X	X	X		
Colors Available-Top	White	White	11 Solids	98 Solids, 104 Stripes in 47"	46 Solids in 60"	58 Solids, 19 Textures, 76 Stripes	18 Styles	1	15 Solids	5 Solids	25 Solids, 41 Stripes			
Colors Available - Underside	White	White	Same as top	Same as top	Same as top	Same as top	Same as top	Same as top	Clear coating		Same as top			
Opaque				X	X	X	X				X			
Inherently Translucent	X	X	X	X	X	X	X	X						
Back-Lit														
Heat Transfer Films							Film, Paints			Film, Paints	Film			
Heat Sealed Inset Fabric			X	X	X	X	X	X	X	X	X	X		
Sewn-In Inset Fabric	X	X	X	X	X	X	X	X	X	X	X	X		
Eradication														
Pressure-Sensitive Vinyl			X	X	X	X	X	X	X	X	X	X		
Silk Screening				X	X	X	X	X	X	X	X	X		
Hand Painting				X	X	X	X	X	X	X	X	X		
Digital Printing			Solvent Inks, UV Inks	Solvent Inks, UV Inks	Solvent Inks, UV Inks	Solvent Inks, UV Inks		Solvent Inks, UV Inks, Latex						
Heat Sealable (w/o Seam tape)	X	X	X	X	X	X	X	X	X	X	X	X		
Heat Sealable (w/seam tape)	X	X	X	X	X	X	X	X	X	X	X	X		
Shrinkage cited to ASTM D1204														
Stretch Factor Cited to ASTM D4851; CFFA 15														
Cleaning Agents Available	X	X	X	X	X	X	X	X	X	X	X	X		
Base Fabric	High-tenacity Polyester	High-tenacity Polyester	Polyester	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic, 50% Post-Ind. Recycled Fiber	Acrylic	Acrylic		
Finish Type or Coating	PVC with PVDF	PVC with PVDF	Acrylic Lacquered Vinyl	Fluorocarbon	Fluorocarbon	Fluorocarbon	Resin/Fluorochemical	Plain, Matte	Resin/Fluorochemical Polyurethane/Acrylic		Resin/Fluorochemical	Resin/Fluorochemical		
Standard Put Up (Per Roll)	54.68, 273.40 yd	54.68, 273.40 yd	50 yd	Approx 55, 65 yd	60 yd	60 yd	60 yd	54" only available in 25 yds; 60" available in 25 and 50 yds	55 yd	60 yd	60 yd	60 yd		
Finished Width(s)	70 in	70 in	61 in	47, 60 in	60 in	46 in	60 in	54, 60 in	60, 80 in	60 in	46 in	46 in		
Finished Weight (per Sq. Yd)	22 oz	31 oz	19 oz	9 oz	10 oz	9 oz	10 oz	10 oz	10 oz	12 oz	8.25 oz	8.25 oz		
Fabrication or Technical Manual	X	X		X		X	X		X					
Specification Sheet Available	X	X	X	X	X	X	X	X	X	X	X	X		

CATEGORY	Solution Dyed Acrylic				Solution Dyed Acrylic, Vinyl backcoated	Solution Dyed Polyester				
	Sunbrella® Supreme	Recacril®	Dickson® Orchestra North American Collection	Sunbrella® Mayfield Collection®	RecSystem	RecWater	Top Notch 9	Top Notch FR	WeatherMax® 80	WeatherMax® FR
Trade Name of Fabric	Glen Raven Custom Fabrics	SA Recasens	Glen Raven Inc./Trivantage LLC	Glen Raven Inc./Trivantage LLC	S A Recasens	S A Recasens	Marlen Textiles	Marlen Textiles	Safety Components	Safety Components
Durability	Warranty	5 Years	10 Years, Limited	10 Years, Limited	5 Years	5 Years	5 Years	5 Years	5 Years	5 Years
	Water Repellent	X	X	X	X	X	X	X	X	X
	Flame Resistance Cited to CSFM									
	Flame Standard - Others									CSFM Title 19, NFPA-701; CPAI 84; ASTM-E84, Class 1 or A; FMVSS-302
	Mildew Resistance Cited to ASTM G21	X				X			X	X
Wick Resistance										
Aesthetics	Colors Available-Top	5 Solids plus make-to-order	59 Solids, 78 Stripes	45 Solids, 61 Stripes	29 Stripes, 3 Solids	10 Solids	8	12	20 Solids, 2 Tweeds, 2 Linsens	14 Solids
	Colors Available - Underside	Same or contrast	Same as top	Same as top	Same as top	Pigmented vinyl backcoat	8	12	Same as top	Same as top
	Opaque	X	X			X	X	X	X	X
	Inherently Translucent									
	Back-Lit									
Graphics	Heat Transfer Films			Film			Film, Paints	Film, Paints	Film, Paints	Film, Paints
	Heat Sealed Inset Fabric			X	X		X	X		
	Sewn-In Inset Fabric	X	X	X	X		X	X	X	X
	Eradication									
	Pressure-Sensitive Vinyl	X	X				X	X		
Graphics	Silk Screening	X	X	X	X		X	X	X	X
	Hand Painting	X	X	X	X		X	X	X	X
	Digital Printing									
	Heat Sealable (w/o Seam tape)									
	Heat Sealable (w/seam tape)		X	X	X		X	X	X	X
Handling	Shrinkage cited to ASTM D1204									
	Stretch Factor Cited to ASTM D4851; CFFA 15									
	Cleaning Agents Available	X	X	X	X		X	X	X	X
	Base Fabric	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic, acrylic backcoat	Acrylic, Vinyl backcoat	Acrylic, Vinyl backcoat	Acrylic, Vinyl backcoat	Woven SaturaMax
	Finish Type or Coating	Fluorochemical/Acrylic Coating/Acrylic Flocked Underside	Fluorocarbon/Resin	Fluorocarbon	Fluorocarbon	Fluorocarbon/Resin	Fluorocarbon/Resin	Fluorocarbon/Resin	Fluorocarbon/Resin	HydroMax Finish w/ Urethane Coating
Construction	Standard Put Up (Per Roll)	40 yd	65 yd	65 yd	Approx. 65 yd	65 yd	50 yd	50 yd	75 yd	65 yd
	Finished Width(s)	60 in	47, 60, 78, 98 in	47 in	46 in	60 in	60 in	60 in	60 in	60 in
	Finished Weight (per Sq. Yd)	13 oz	9 oz	8.7 oz	9.25 oz	10 oz.	17.4 oz	10 oz	8 oz	9.75 oz
Support Materials	Fabrication or Technical Manual	X			X				X	X
	Specification Sheet Available	X	X	X	X	X			X	X

CATEGORY	Vinyl Laminated or Coated Polyester, Backlight										
	Solution Dyed Woven FR Polyester					Nite-Lite®					Patio 500
Trade Name of Fabric	Firesist®	Cooley Brite II with Coothane EPS	Cooley Brite II White with Coothane® EPS 0606	Cooley Brite Lite	Cooley Brite® SM42 White	Cooley Brite®	Eradi-Lite®	Nite-Lite®	Canopy FS	EXCELM SERIES	Patio 500
Trademark Holder/Supplier	Glen Raven Custom Fabrics	Cooley Group	Cooley Group	Cooley Group	Cooley Group	Cooley Group	Cooley Group	Glen Raven Custom Fabrics	Herculite Products, Inc.	Herculite Products, Inc.	Herculite Products, Inc.
Warranty	5 Years	10 Years	10 Years	8 Years	8 Years	8 Years	8 Years	8 Years	8 Years	8 Years	5 Years
Water Repellent	X	X	X	X	X	X	X	X	X	X	X
Flame Resistance Cited to CSFM	X	X	X	X	X	X	X	X	X	X	X
Flame Standard - Others	CalTitle 19, NFPA-701, CPAI 84, FMVSS 302, FAA 25.833, UFAC U.F.1	UL, ASTM E84, NFPA 701, CSFM	ASTM E84, NFPA 701, CSFM, UL	ASTM E84, NFPA 701, CSFM, City of LA, UL	UL, CA Fire Marshal, NFPA 701, ASTM E84	UL, ASTM E84, NFPA 701, CSFM	NFPA 701	CA Title 19 - 1273.2+ 1237B, NFPA 701, NFPA Class A, UBC Class 1	ASTM E 84, CSFM, NFPA 701	ASTM E 84, CSFM, NFPA 701	CSFM, ASTM E84, NFPA 701
Mildew Resistance Cited to ASTM G21	X	X	X	X	X	X	X	X	X	X	X
Wick Resistance		X	X	X	X	X	X	X	X	X	X
Colors Available-Top	14 Solids and Tweeds	20 Standard, Unlimited Custom	White	22 Standard, Unlimited Custom	White	20 Standard, Unlimited Custom	13 Solids	11 Solids	22 Solids	12	31
Colors Available - Underside	Coated underside	White	White	White	White	White	White	White	White	Same as top	
Opaque	X	X	X	X	X	X	X	X	X	X	X
Inherently Translucent		X								X	X
Back-Lit	X	X	X	X	X	X	X	X	X		
Heat Transfer Films	Film	Film, Paints	Film, Paints	Film, Paints	Film, Paints	Film, Paints	Film, Paints			Film	Film
Heat Sealed Inset Fabric	X	X	X	X	X	X	X	X	X	X	X
Sewn-In Inset Fabric	X	X	X	X	X	X	X	X	X	X	X
Eradication		X		X			X				
Pressure-Sensitive Vinyl	X	X	X	X	X	X	X	X	X	X	
Silk Screening	X	X	X	X	X	X	X	X	X	X	X
Hand Painting	X	X	X	X	X	X	X	X	X	X	X
Digital Printing	Dye Sublimation	Solvent Inks, UV Inks	Solvent Inks, UV Inks	Solvent Inks, UV Inks	Solvent Inks, UV Inks	Solvent Inks, UV Inks	Solvent Inks, UV Inks	Solvent Inks, UV Inks	Solvent Inks, UV Inks	Solvent Inks, UV Inks	Solvent Inks, UV Inks
Heat Sealable (w/o Seam tape)		X	X	X	X	X	X	X	X	X	X
Heat Sealable (w/seam tape)	X	X	X	X	X	X	X	X	X	X	X
Shrinkage cited to ASTM D1204		X	X	X	X	X	X	X	X	X	X
Stretch Factor Cited to ASTM D4851; CFFA 15		X	X	X	X	X	X	X	X	X	X
Cleaning Agents Available	X	X	X	X	X	X	X	X	X	X	X
Base Fabric	100% Woven Solution-Dyed Polymer	Anti-wick Polyester	Anti-wick Polyester	Anti-wick Polyester	Anti-wick Polyester	Anti-wick Polyester	Anti-wick Polyester	Polyester	Polyester	Polyester	Polyester
Finish Type or Coating	Urethane/Acrylic Coating	Urethane	Urethane	Acrylic	Acrylic	Acrylic	Vinyl/Acrylic	Vinyl/Acrylic	Fluoro-Shield PVDF	Rainkleen / Fluoropolymer	Vinyl
Standard Put Up (Per Roll)	60 yd	10, 25, 50 yd	10, 25, 50 yd	10, 25, 50 yd	10, 25, 50 yd	10, 25, 50 yd	30 yd	40 yd	50 yd	50 yd	50 yd
Finished Width(s)	60 in	78 in	78 in	78 in	102, 126, 150, 196 in	78 in	78 in	61 in	61 in	62 in	61 in
Finished Weight (per Sq. Yd)	8.75 oz	20 oz	20 oz	16 oz	20 oz	20 oz	17 oz	16 oz	16 oz	175 oz	175 oz
Fabrication or Technical Manual	X	X	X	X	X	X	X	X	X	X	X
Specification Sheet Available	X	X	X	X	X	X	X	X	X	X	X

CATEGORY	Vinyl Laminated or Coated Polyester, Backlight					Vinyl Laminated Polyester				
	Cool Glo™/NorthStar®	Awmax	Awshade	Weatherlyte®	Weatherlyte® Lite	Coastline Plus	NATURA	Vanguard	Atlas	Patio500®
Trade Name of Fabric	Hiraoka & Co. Ltd.	Hiraoka & Co. Ltd.	Hiraoka & Co. Ltd.	Cooley Group	Cooley Group	Herculite Products, Inc.	Herculite Products, Inc.	Herculite Products, Inc.	J. Ennis Fabrics	Glen Raven Inc./Trivantage LLC
Durability	Warranty	10 Years	8 Years	8 Years	5 Years	5 Years	8 Years	8 Years	2 Years	5 Years, limited excluding 513 Clear
	Water Repellent	X	X	X	X	X	X	X	X	X
	Flame Resistance Cited to CSFM	X	X	X	X	X	X	X	X	X
	Flame Standard - Others	ASTM-E84, Class A; NFPA 701-2010TM2	CAN/ULCS108M, CSFM	CAN/ULCS109M, CSFM	ASTM E 84, NFPA 701, UL, CSFM	NFPA-701, ASTM E 84, CSFM, UL	ASTM E 84, Class A, NFPA 701	NFPA 701, ASTM E84, Class A	NFPA 701, ASTM E84, Class A, M2	Motor Vehicle Safety Standard 302
Aesthetics	Mildew Resistance Cited to ASTM G21	X	X	X	X	X	X	X	X	X
	Wick Resistance	X	X	X	X	X	X	X	X	X
	Colors Available-Top	20 Solids	25 Solids	25 Solids	17 Solids	67 Solids, 35 Stripes	12	23 Solids	7	35 Solids
	Colors Available - Underside	Clear only	25 Solids	25 Solids	Color matched fabric look	Solids, Stripes, Prints	Same as top	Same as top	Same as top	Same as top unless otherwise noted
Graphics	Opaque				X	X	X	X		
	Inherently Translucent	X	X	X						
	Back-Lit	X	X	X						
	Heat Transfer Films				Film, Paints	Film, Paints				
Graphics	Heat Sealed Inset Fabric	X	X	X	X	X	X	X	X	X
	Sewn-In Inset Fabric	X	X	X	X	X	X	X	X	X
	Eradication									
	Pressure-Sensitive Vinyl	X	X	X	X	X	X	X	X	X
Graphics	Silk Screening	X	X	X	X	X	X	X	X	X
	Hand Painting	X	X	X	X	X	X	X	X	X
	Digital Printing	Solvent Inks, UV Inks	Solvent Inks, UV Inks	Solvent Inks, UV Inks	Solvent Inks, UV Inks	Solvent Inks, UV Inks	UV Inks		Solvent Inks	
	Heat Sealable (w/o Seam tape)	X	X	X	X	X	X	X	X	X
Handling	Heat Sealable (w/seam tape)	X	X	X	X	X	X	X	X	X
	Shrinkage cited to ASTM D1204	X	X	X	X	X	X	X	X	X
	Stretch Factor Cited to ASTM D4851; CFFA 15	X	X	X	X	X	X	X	X	X
	Cleaning Agents Available	X	X	X	X	X	X	X	X	X
Construction	Base Fabric	Polyester	Polyester	Polyester	Polyester	Polyester	Polyester	Polyester	Polyester	Polyester
	Finish Type or Coating	PVC Vinyl Coated	Vinyl	Vinyl	Top Coat Acrylic	Rain Kleen II	Rain Kleen II	Rain Kleen II Top Coat	Polyvinyl Chloride	Vinyl Laminate
	Standard Put Up (Per Roll)	40 yd	32 yd	45 yd	50 yd	50 yd	50 yd	50 yd	50 yd	50 yd
	Finished Width(s)	61 in	80 in	61 in	54, 60, 74 in	61-62 in	62 in	61-62 in	60 in	61 in
Support Materials	Finished Weight (per Sq. Yd)	13 oz	19.1 oz	17 oz	16 oz	14-15 oz	18 oz	16-17 oz	10 oz	175 oz
	Fabrication or Technical Manual		X	X	X	X	X	X	X	X
	Specification Sheet Available	X	X	X	X	X	X	X	X	X

