

PRODUCT		Acoustic Mesh	Acrylic, Solution Dyed		Clear PVC Coating - Acrylic Coated	Expanded PTFE		Fiberglass, PTFE Coated	
Recommended Uses		Acoustic Treatment - Ceilings & Walls Interior Only	Tents	Tents	Pergolas, Shadesails, Shade Structures, Tensile Structures, Awnings, Tent Side Walls	Tension tents, pole tents, clearspans, tensile structures	Tension tents, pole tents, clearspans, tensile structures	Tensile structure liner, acoustical fabric	Tensile structure liner, acoustical fabric
	Trade Name of Fabric	Bavline aW	Sumbrella	Sumbrella Plus	Soltis 96W	Sefar Architecture TENARA Fabric 4T40 HF	Sefar Architecture TENARA Fabric 4T40 HF	FABRASORB	FABRASORB IA
Trademark Holder/Supplier		Serge Ferrari	Glen Raven Custom Fabrics	Glen Raven Custom Fabrics	Serge Ferrari	SEFAR	SEFAR	Saint-Gobain Performance Plastics	Saint-Gobain Performance Plastics
	Weight		9.0 oz/yard ²						
Base Fabric	Weave Style	BasketWeave	Plain	Plain	Preconstraint-BasketWeave	Plain 1/1	Plain 1/1	Plain	Plain
	Yarn Count (warp, fill)	High Tenacity Polyester	76, 36 tpi	76, 36 tpi	High Tenacity Polyester	Fluoropolymer	Fluoropolymer		
Coating	Weight (top, bottom)	17.7 oz/yard ²		Yes	18.3 oz/yard ²			Even both sides	Even both sides
	UV topcoat material	Acrylic			Acrylic	Fluoropolymer	Fluoropolymer		
UV topcoat weight									
	Life Expectancy	20 Years	10+ Years	5+ Years	10 Years	25+ Years	25+ Years	20-30 Years	20-30 Years
Warranty, duration		10 Years Interior	10 Years, limited	5 Years	5 Years	15 Years	15 Years	Product/project specific	Product/project specific
	Test Method		ASTM D3776	ASTM D3776-96	ASTM D4851	ASTM D4851	ASTM D4851	ASTM D4851-88	ASTM D4851-88
Finished Fabric	Thickness				0.56 mm	0.55 mm, 0.022 in	0.55 mm, 0.022 in	0.014in	0.012in
	Weight	17.7 oz/yard ²	9.0 oz/yard ²	10.4 oz/yard ²	18.3 oz/yard ²	1080 g/m ² ; 31.9 oz/yard ²	1080 g/m ² ; 31.9 oz/yard ²	14 oz/yard ²	10 oz/yard ²
Roll width, usable		105 in	46, 60 in	60 in	105 in	1.575 m; 62 in	1.575 m; 62 in	150 in, 3810mm	150 in, 3810mm
	Warp, fill		12, 8 lb/in	14, 8 lb/in					
Tongue tear	Test method		ASTM 2261-96	ASTM 2261-96					
Trapezoidal tear	Warp, fill	DIN 53.363			25, 20 daN/5cm	798, 752 N; 179, 169 lb	798, 752 N; 179, 169 lb	35/25 lb	25/20 lb
	Test method	DIN 53.363			DIN 53363	ASTM D4851	ASTM D4851	ASTM D4851-88	ASTM D4851-88
Grab tensile	Warp, fill		286, 180 Lbf	285, 180 Lbf					
	Test method		ASTM D5034-95	ASTM D5034-95					
Strip tensile	Warp, fill	250, 250 daN/5cm			220, 220 daN/5cm	4000, 4000 N/5cm; 456, 456 lb/in	4000, 4000 N/5cm; 456, 456 lb/in	Minimum values 375 lb/in (W), 220 lb/in (F)	Minimum values 315 lb/in (W), 220 lb/in (F)
	Test method	NF EN ISO 1421			NF EN ISO 1421	ASTM D4851	ASTM D4851	ASTM D4851-88	ASTM D4851-88
Adhesion	Warp, fill								
	Test method								
Hydrostatic resistance	Warp, fill		45 cm hydros	100 cm hydros					
	Test method		AATCC 127-1998	AATCC 127-1998					
Cold crack	Warp, fill		Pass	Pass					
	Test method		ASTM B751-06	ASTM B751-06					
Burning Characteristics -Test method		ASTM E84, CSFM, NFPA 701	EN410/14500 for a range of colors	EN410/14500 for a range of colors	ASTM E84, CSFM, NFPA 701	ASTM E84 Class A, FTM 191A, NFPA 701, UL94 v-o, EN13501B-s1, DO, LOI >95%	ASTM E84 Class A, FTM 191A, NFPA 701, UL94 v-o, EN13501B-s1, DO, LOI >95%	ASTM E84 Class A, Flame Spread 0%, Smoke 0%; ASTM E136 Pass; NFPA 701 Pass	ASTM E84 Class A, Flame Spread 0%, Smoke 0%; ASTM E136 Pass; NFPA 701 Pass
	Light Values -Test method		0-24%, 2-81%, 1-98%	0-24%, 2-81%, 1-98%	Depends on Color	19%, 79%, 2%	19%, 79%, 2%	22%, 71%, 7%	29%, 65%, 6%
Transmission, reflectance, absorption									
Seams (recommended style)		RFOverlap	Lap or French Hem	Lap or French Hem	RFOverlap	Lap	Lap	Lap	Lap
			Heatseal with tape, sew	Heatseal with tape, sew		RF heatseal	RF heatseal	Thermal weld	Thermal weld
Construction method									
Useful temperature range		-22-158 F	-40-225 F	-40-225 F	-22-158 F			-100-400 F	-100-400 F

PRODUCT		Fiberglass, PTFE Coated										HDPE	
Recommended Uses	Facades, tensile structures, shade structures	Tensile structures, roofs, facades	Tensile structures, roofs, facades	Tensile structures, roofs, facades	Tensile structures, roofs, facades	Tensile structures, roofs, facades	Tensile structures, roofs, facades	Tensile structures	Tensile structures	Tensile structures	Tensile structures	Shade structures, shade sails, tension membranes	Shade structures, shade sails, tension membranes
Trade Name of Fabric	SGM-9	SHEERFILL I	SHEERFILL II	SHEERFILL IIA	SHEERFILL IIA	SHEERFILL IIA	SHEERFILL IIA	Duraskin B 18089	Duraskin B 18089	Duraskin B 18039	Duraskin B 18039	Architec 400®	Comtex®
Trademark Holder/Supplier	Saint-Gobain Performance Plastics	Saint-Gobain Performance Plastics	Saint-Gobain Performance Plastics	Saint-Gobain Performance Plastics	Saint-Gobain Performance Plastics	Saint-Gobain Performance Plastics	Saint-Gobain Performance Plastics	Versidag Indutex	Versidag Indutex	Versidag Indutex	Versidag Indutex	Polyfab USA LLC	Polyfab USA LLC
Base Fabric	Weight	Even both sides	Even both sides	Even both sides	Even both sides	Even both sides	Even both sides	635 g/m ²	180 g/m ² ; 5.31 oz/yd ²	365 g/m ² ; 10.77 oz/yd ²	365 g/m ² ; 10.77 oz/yd ²	12 oz/yd ²	10 oz/yd ²
Coating	Weave Style	Plain	Plain	Plain	Plain	Plain	Plain	L 1/1	L 1/1	L 1/1	L 1/1	Raschel knit	Raschel knit
	Yarn Count (warp, fill)							4080 dtex, 4080 dtex	2040 dtex, 2040 dtex	1360 dtex, 1360 dtex	1360 dtex, 1360 dtex		
	Weight (top, bottom)	Even both sides	Even both sides	Even both sides	Even both sides	Even both sides	Even both sides	458, 458 g/m ² ; 13.3, 13.3 oz/yd ²	355, 355 g/m ² ; 10.47, 10.47 oz/yd ²	218, 218 g/m ² ; 6.4, 6.4 oz/yd ²	218, 218 g/m ² ; 6.4, 6.4 oz/yd ²		
	UV topcoat material												
	UV topcoat weight												
Life Expectancy	20-30 Years	20-30 Years	20-30 Years	20-30 Years	20-30 Years	20-30 Years	20-30 Years	10 Years	10 Years	10 Years	10 Years	12 Years	10 Years
Warranty, duration	Product/project specific	Product/project specific	Product/project specific	Product/project specific	Product/project specific	Product/project specific	Product/project specific	Product/project specific	Product/project specific	Product/project specific	Product/project specific	12 Years, UV Performance	10 Years, UV Performance
Finished Fabric	Test Method	ASTM D4851-88	ASTM D4851-88	ASTM D4851-88	ASTM D4851-88	ASTM D4851-88	ASTM D4851-88	ASTM D4851-88	ASTM D4851-88	ASTM D4851-88	ASTM D4851-88	ASTM D 2261	ASTM D 2261
	Thickness	0.036 in	0.030 in	0.028 in	0.022 in	0.022 in	0.022 in						
	Weight	45.5 oz/yd ²	38.5 oz/yd ²	38 oz/yd ²	29 oz/yd ²	29 oz/yd ²	29 oz/yd ²	46 oz/yd ²	34 oz/yd ²	800 g/m ² ; 24 oz/yd ²	800 g/m ² ; 24 oz/yd ²		
Roll width, usable	150 in, 3810mm	150 in, 3810mm	150 in, 3810mm	151 in, 3810mm	150 in, 3810mm	150 in, 3810mm	150 in, 3810mm	189 in, 480 cm	189 in, 480 cm	78 in, 200 cm	78 in, 200 cm	12½ ft	12½ ft
Tongue tear	Warp, fill											41.1 / 38.3 lb	30.9 / 34.4 lb
	Test method											ASTM D 2261	ASTM D 2261
Trapezoidal tear	Warp, fill	210/210 lb	75/70 lb	65/75 lb	40/65 lb	40/65 lb	40/65 lb						
	Test method	ASTM D4851-88	ASTM D4851-88	ASTM D4851-88	ASTM D4851-88	ASTM D4851-88	ASTM D4851-88						
Grab tensile	Warp, fill											342 / 270 lb	268 / 340 lb
	Test method											ASTM D 5034	ASTM D 5034
Strip tensile	Warp, fill	Minimum values 700 lb/in (W), 750 lb/in (F)	Minimum values 825 lb/in (W), 600 lb/in (F)	Minimum values 675 lb/in (W), 675 lb/in (F)	Minimum values 550 lb/in (W), 625 lb/in (F)	Minimum values 550 lb/in (W), 625 lb/in (F)	Minimum values 550 lb/in (W), 625 lb/in (F)	5800, 5800 N/cm; 662, 662 lb/in	5800, 5800 N/cm; 662, 662 lb/in	3500, 3500 N/cm; 400, 400 lb/in	3500, 3500 N/cm; 400, 400 lb/in		
	Test method	ASTM D4851-88	ASTM D4851-88	ASTM D4851-88	ASTM D4851-88	ASTM D4851-88	ASTM D4851-88						
Adhesion	Warp, fill	16 lb/in	16 lb/in	16 lb/in	16 lb/in	16 lb/in	16 lb/in	100 N/cm ² ; 11.4 lb/in	80 N/cm ² ; 9.1 lb/in	60 N/cm ² ; 6.85 lb/in	60 N/cm ² ; 6.85 lb/in		
	Test method	ASTM D4851-88	ASTM D4851-88	ASTM D4851-88	ASTM D4851-88	ASTM D4851-88	ASTM D4851-88	DIN 53357	DIN 53357	DIN 53357	DIN 53357		
Hydrostatic resistance	Warp, fill												
	Test method												
Cold crack	Warp, fill												
	Test method												
Burning Characteristics -Test method	ASTM E84 Class A, Flame Spread 0%; Smoke 0%; ASTM E136 Pass; NFPA 701 Pass	ASTM E84 Class A, Flame Spread 5%; Smoke 5%; ASTM E136 Pass; NFPA 701 Pass	ASTM E84 Class A, Flame Spread 5%; Smoke 10%; ASTM E136 Pass; NFPA 701 Pass	ASTM E84 Class A, Flame Spread 5%; Smoke 20%; ASTM E136 Pass; NFPA 701 Pass	ASTM E84 Class A, Flame Spread 5%; Smoke 0%; ASTM E136 Pass; NFPA 701 Pass	ASTM E84 Class A, Flame Spread 5%; Smoke 0%; ASTM E136 Pass; NFPA 701 Pass	ASTM E84 Class A, Flame Spread 5%; Smoke 0%; ASTM E136 Pass; NFPA 701 Pass	ASTM E84 E108 and E136; BS 476 parts 3, 5, 6, 7; DIN 4102; NFP 92503 M1; NFPA 701 small	ASTM E84 E108 and E136; BS 476 parts 3, 5, 6, 7; DIN 4102; NFP 92503 M1; NFPA 701 small	ASTM E84 E108 and E136; BS 476 parts 3, 5, 6, 7; NFP 92503 M1; NFPA 701 small scale	ASTM E84 E108 and E136; BS 476 parts 3, 5, 6, 7; NFP 92503 M1; NFPA 701 small scale	ASTM E-84	NFPA-701, ASTM E-84
Light Values -Test method	ASTM E424	ASTM E424	ASTM E424	ASTM E424	ASTM E424	ASTM E424	ASTM E424					Australian Radiation Protection, Nuclear Safety Agency Ref. 8402-1/ASTM E903	Australian Radiation Protection, Nuclear Safety Agency Ref. 8402-1/ASTM E903
Transmission, reflectance, absorption	30%, 60%, 10%	10%, 73%, 17%	12%, 73%, 15%	16%, 72%, 12%	16%, 74%, 10%	16%, 74%, 10%	16%, 74%, 10%					Shade Factor/Mean UPF/Solar Reflectance Index (SRI) varies by color, see website for individual values	Shade Factor/Mean UPF/Solar Reflectance Index (SRI) varies by color, see website for individual values
Seams (recommended style)	Lap	Lap	Lap	Lap	Lap	Lap	Lap					Overlap/Fell	Overlap/Fell
Construction method	Thermal weld	Thermal weld	Thermal weld	Thermal weld	Thermal weld	Thermal weld	Thermal weld					Sew with PTFE thread	Sew with PTFE thread
Useful temperature range	-100-400 F	-100-400 F	-100-400 F	-100-400 F	-100-400 F	-100-400 F	-100-400 F					-40-80 C	-40-80 C

PRODUCT		HDPE	Mesh PVC Coated Polyester - Acrylic Coated				PES, PVC Coated		Polyester, Acrylic-Coated	
Recommended Uses		Shade structures, shade sails, tension membranes	Pergola's, Shadetails, Shade Structures, Tensile Structures, Awnings, Tent Side Walls	Pergola's, Shadetails, Shade Structures, Tensile Structures, Awnings, Tent Side Walls	Pergola's, Shadetails, Shade Structures, Tensile Structures, Awnings, Tent Side Walls	Facades, Pergola's, Shadetails, Shade Structures, Tensile Structures, Awnings, Tent Side Walls	Facades, Pergola's, Shadetails, Shade Structures, Tensile Structures, Awnings, Tent Side Walls	Tent	Air structures, Pole tents, Awnings, Canopies	Tents, Tensile structures, Awnings, Canopies
	Trade Name of Fabric	Polytex®	Soltis 86	Soltis 88	Soltis 92	Soltis FT 371	Soltis FT 381	Duraskin B 1515	Odyssey FR	Top Gun FR
Trademark Holder/Supplier		Polyfab USA LLC	Serge Ferrari	Serge Ferrari	Serge Ferrari	Serge Ferrari	Serge Ferrari	Verseidag Indutex GmbH	Marlen Textiles	Marlen Textiles
	Weight	7 oz/yd²						180 g/m²; 5.31 oz/yd²	7.25 oz/yd²	13.0 oz/yd²
Base Fabric	Weave Style	Raschel knit	Preconstraint - Basket Weave	Preconstraint - Basket Weave	Preconstraint - Basket Weave	Preconstraint - Basket Weave	Preconstraint - Basket Weave	L 1/1	Plain	Plain
	Yarn Count (warp, fill)		High Tenacity Polyester	High Tenacity Polyester	High Tenacity Polyester	High Tenacity Polyester	High Tenacity Polyester	1100, 1100 tpi	58, 44 tpi	
Coating	Weight (top, bottom)		11.2 oz/yd²	9.75 oz/yd²	12.4 oz/yd²	16.5 oz/yd²	25 oz/yd²	413 g/m²; 12 oz/yd²	413 g/m²; 12 oz/yd²	
	UV topcoat material		Acrylic	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic Lacquer	Acrylic	Acrylic
Life Expectancy	UV topcoat weight									
	Life Expectancy	10 Years	10 Years	10 Years	10 Years	15 Years	20 Years	10-15 Years	3-5 Years	5 Years
Warranty, duration	Warranty, duration	10 Years, UV Performance	5 Years	5 Years	5 Years	10 Years	10 Years			
	Test Method		Preconstraint - Basket Weave	Preconstraint - Basket Weave	Preconstraint - Basket Weave	Preconstraint - Basket Weave	Preconstraint - Basket Weave	DIN 4102 B1, M2	FED-STD 191A (5041)	FED-STD 191A (5041)
Finished Fabric	Thickness		0.43 mm	0.45 mm	0.45 mm			0.5 mm; 0.2 in	0.5 mm; 0.2 in	0.022 in
	Weight		11.7 oz/yd²	9.75 oz/yd²	12.4 oz/yd²	16.5 oz/yd²	25 oz/yd²	675 g/m²; 22 oz/yd²	245.81 g/m²; 7.25 oz/yd²	13.0 oz/yd²
Roll width, usable	Roll width, usable	12½ ft	69 & 105 in	69 & 105 in	69 & 105 in	105 in	105 in	250 cm; 61, 98 in	157.5 cm; 62 in	62 in
	Warp, fill	16.5 lb / 24.5 lb								25, 18 lb/in
Tongue tear	Test method	ASTM D 2261						DIN 53363	FED-STD 191A(5134)	ASTM D2261
	Warp, fill		45, 20 daN/5cm	14, 14 daN/5cm	40, 20 daN/5cm			300, 300 N; 67, 67 lb/in	300, 300 N; 67, 67 lb/in	74, 34 lb/in
Trapezoidal tear	Test method		DIN 53363	DIN 53363	DIN 53363			DIN 53363	FED-STD 191A(5136)	ASTM D4533
	Warp, fill							2800, 2500 N/5cm; 320, 285 lb/in	300, 250 lb/in	498, 380 lb/in
Grab tensile	Test method	ASTM D 5034							Fed-STD 191A(5100)	ASTM D1682
	Warp, fill		230, 160 daN/5cm	145, 145 daN/5cm	310, 210 daN/5cm			100 N/5cm; 12 lb/in	100 N/5cm; 12 lb/in	363, 221 lb/in
Strip tensile	Test method		NF EN ISO 1421	NF EN ISO 1421	NF EN ISO 1421					ASTM D1682
	Warp, fill									
Adhesion	Test method									
	Warp, fill									
Hydrostatic resistance	Test method									
	Warp, fill									
Cold crack	Test method									
	Warp, fill									
Burning Characteristics -Test method	Test method	NFPA-701, ASTM E-84	ASTM E84, CSFM, NFPA 701	ASTM E84, CSFM, NFPA 701	ASTM E84, CSFM, NFPA 701	ASTM E84, CSFM, NFPA 701	ASTM E84, CSFM, NFPA 701	DIN 4102 B1, M2, BS 5651, ASTM E162-94, SIS 650082, CL2, E-84	CPAI-84 Section 7, NFPA 701, MVSS-302, CAN-ULC-S109-03	CPAI-84, CSFM Title 19-section 1237, NFPA 701 Method 2, CAN V.L.C-S109-03
	Warp, fill									
Light Values -Test method	Test method	Australian Radiation Protection, Nuclear Safety Agency Ref. 8402-1/ASTM E903								
	Warp, fill									
Transmission, reflectance, absorption	Test method	Shade Factor/Mean UPF/ Solar Reflectance Index (SRI) varies by color, see website for individual values	Depends on color	Depends on color	Depends on color	Depends on color	Depends on color			
	Warp, fill									
Seams (recommended style)	Test method	Overlap/Fell	RF-Overlap	RF-Overlap	RF-Overlap	RF-Overlap	RF-Overlap			
	Warp, fill									
Construction method	Test method	Sew with PTFE thread								
	Warp, fill									
Useful temperature range	Test method	-40-80 C	-22-158 F	-22-158 F	-22-158 F	-22-158 F	-22-158 F	-30-70 C		
	Warp, fill									

PRODUCT		Polyester, PVC-Coated										
Recommended Uses		Tension tents, Pole tents	Tension tents, Pole tents, Clearspans, Tent sidewall	Tension tents, Pole tents, Clearspans, Tent sidewall	Tension tents, Pole tents, Party tents, Tent sidewalls	Tension tents, Pole tents, Clearspans, Tent sidewall	Tension tents, Pole tents, Clearspans, Tent sidewall	Tension tents, Pole tents	Tension tents, Pole tents, Party tents, Tent sidewalls	Tension tents, Pole tents, Clearspans, Tent sidewall	Tension tents, Pole tents	Pole tents
Trade Name of Fabric		BigTop 300	BigTop 350	Protec 2000 13 oz	Glen Raven Inc.	Glen Raven Inc.	Glen Raven Inc.	Protec 2000 13 oz	Glen Raven Inc.	Showtime S-83	Showtime S-83	Shelter-Rite 3916
Trademark Holder/Supplier		Glen Raven Inc.	Glen Raven Inc.	Glen Raven Inc.	Glen Raven Inc.	Glen Raven Inc.	Glen Raven Inc.	Glen Raven Inc.	Glen Raven Inc.	Herculite Products	Herculite Products	Seaman Corp.
Base Fabric	Weight	2.5 oz/yd ²	2.5 oz/yd ²									132 g/m ² ; 3.7 oz/yd ²
	Weave Style	Weft-inserted Warp-Knit	Weft-inserted Warp-knit	Flat								Plain
Coating	Yarn Count (warp, fill)	9, 9 tpi	9, 9 tpi	9 x 9; 1000 x 1000 d								
	Weight (top, bottom)	10.5, 6.0 oz/yd ²	10.5, 6.0 oz/yd ²									
Life Expectancy	UV topcoat material	PVC film	PVC									Acrylic
	UV topcoat weight											
Warranty, duration	Life Expectancy	2 Years	2 Years	5+ Years								5+ Years
	Warranty, duration	2 Years	2 Years	2 Years								
Finished Fabric	Test Method	FTM 191A 5030/5041	FTM 191A 5030/5041	FED-STD 191A (5030/5041)								ASTM D751
	Thickness											
Tongue tear	Weight	16+/- .50 oz/yd ²	17 oz/yd ²	13+/- .5 oz/yd ²								678 g/m ² ; 20 oz/yd ²
	Roll width, usable	60+/- .75 in	60+/- in	61 in								155 cm; 61 in
Trapezoidal tear	Warp, fill	100+/- 15, 100+/- 15 lb/in	100+/- 15, 100+/- 15 lb/in	44, 51								133, 111 N; 30, 25 lb
	Test method	FTM 191A SEC 5134	FTM 191A SEC 5134	ASTM D751								ASTM D751
Grab tensile	Warp, fill	210, 190 lb/in	210, 190 lb/in	230 +/- 20, 210 +/- 20 lb/in								1335, 1112 N; 300, 250 lb
	Test method	ASTM D751	ASTM D751	ASTM D751								ASTM D751
Strip tensile	Warp, fill											350, 350 N/cm; 200, 200 lb/in
	Test method											ASTM D751
Adhesion	Warp, fill	10, 10 lb/in	10, 10 lb/in									18 N/cm; 10 lb/in
	Test method											ASTM D751
Hydrostatic resistance	Warp, fill	330 psi	330 psi	368 psi								3.45 Mpa; 500 psi
	Test method											ASTM D751
Cold crack	Warp, fill	-10 F	-10 F	-40 F								-40 C, -40 F
	Test method											ASTM D2136
Burning Characteristics -Test method	Light Values -Test method											Opaque
	Transmission, reflectance, absorption											Depends on color
Seams (recommended style)	Seams (recommended style)											Lap or Butt
	Construction method											Heatseal or RF
Useful temperature range	Useful temperature range											-40-160 F
	Useful temperature range											-30-60 C; -22-140 F

Polyester, PVC-Coated																																								
PRODUCT	Recommended Uses	Trade Name of Fabric	Trademark Holder/Supplier	Weight	Weave Style	Yarn Count (warp, fill)	Weight (top, bottom)	UV topcoat material	UV topcoat weight	Life Expectancy	Warranty, duration	Test Method	Thickness	Weight	Roll width, usable	Tongue tear	Warp, fill	Test method	Trapezoidal tear	Warp, fill	Test method	Grab tensile	Warp, fill	Test method	Strip tensile	Warp, fill	Test method	Adhesion	Warp, fill	Test method	Hydrostatic resistance	Warp, fill	Test method	Cold crack	Burning Characteristics -Test method	Light Values -Test method	Transmission, reflectance, absorption	Seams (recommended style)	Construction method	Useful temperature range
	Air structures, tension tents, clearspans, tensile structures	Shelter-Rite 8028	Seaman Corp.	254 g/m ² ; 7.5 oz/yd ²	Weft-inserted Warp-knit			PVDF; Acrylic; Kynar; Tedlar		10+ Years	10 Years; 20 Years	ASTM D751		950 g/m ² ; 28 oz/yd ²	249+ cm; 98+ in	378, 378 N; 85, 85 lb	ASTM D4533		378, 378 N; 85, 85 lb	ASTM D4533		3115, 3115 N/cm; 700, 700 lb	916, 916 N/cm; 515, 515 lb/in	ASTM D751		18 N/cm; 10 lb/in	ASTM D751		3.45 Mpa; 500 psi	ASTM D751		-40 C, -40 F	ASTM D2136	NFPA701, CSFM, ASTM E84; ASTM D6413; ULC S109; ULC S102; KUCAS	Depends on color	Lap or Butt	Heatseal or RF	-40-160 F		
	Pole tents, tension tents, tensile structures	Shelter-Rite 8324	Seaman Corp.	146 g/m ² ; 4.3 oz/yd ²	Plain			PVDF; Acrylic; Kynar; Tedlar		10+ Years	10 Years	ASTM D751		814 g/m ² ; 24 oz/yd ²	180 cm; 71 in	356, 289 N; 80, 65 lb	ASTM D751		356, 289 N; 80, 65 lb	ASTM D751		1780, 1558 N; 400, 350 lb	263, 210 daN/5cm; 300, 240 lb/in	ASTM D751		18 N/cm; 10 lb/in	ASTM D751		3.45 Mpa; 500 psi	ASTM D751		-40 C, -40 F	ASTM D2136	NFPA701, CSFM, ASTM E84; ASTM D6413; ULC S109; ULC S102	Depends on color	Lap or Butt	Heatseal or RF	-40-160 F		
	Tension tents, tensile structures	Shelter-Rite 8424	Seaman Corp.	170 g/m ² ; 5 oz/yd ²	Weft-inserted Warp-knit			PVDF; Acrylic; Kynar; Tedlar		10+ Years	10 Years	ASTM D751		814 g/m ² ; 24 oz/yd ²	249+ cm; 98+ in	223, 267 N; 50, 60 lb	ASTM D751		223, 267 N; 50, 60 lb	ASTM D751		1669, 1558 N; 375, 350 lb	526, 482 N/cm; 300, 275 lb/in	ASTM D751		18 N/cm; 10 lb/in	ASTM D751		3.45 Mpa; 500 psi	ASTM D751		-40 C, -40 F -55 C, -67 F	ASTM D2136	NFPA701, CSFM, ASTM E84; ASTM D6413	Depends on color	Lap or Butt	Heatseal or RF	-40-160 F		
	Clearspans, tensile structures	Shelter-Rite 8520	Seaman Corp.	170 g/m ² ; 5 oz/yd ²	Weft-inserted Warp-knit			PVDF; Acrylic		10+ Years	10 Years	ASTM D751		678 g/m ² ; 20 oz/yd ²	249+ cm; 98+ in	1780, 1780 N; 400, 400 lb	ASTM D751		1780, 1780 N; 400, 400 lb	ASTM D751		285, 285 daN/5cm; 325, 325 lb/in	ASTM D751		18 N/cm; 10 lb/in	ASTM D751		3.45 Mpa; 500 psi	ASTM D751		-40 C, -40 F	ASTM D2136	NFPA701, CSFM, ASTM E84; ASTM D6413; ULC109, ULCS 102	Depends on color	Lap or Butt	Heatseal or RF	-40-160 F			
	Air structures, tension tents, clearspans, tensile structures	Shelter-Rite 9032	Seaman Corp.	339 g/m ² ; 10 oz/yd ²	Weft-inserted Warp-knit			PVDF; Acrylic; Kynar; Tedlar		10+ Years	10 Years; 20 Years	ASTM D751		1085 g/m ² ; 32 oz/yd ²	137 cm; 54 in	445, 445 N; 100, 100 lb	ASTM D751		445, 445 N; 100, 100 lb	ASTM D751		3738, 3738 N; 840, 840 lb	1156, 1156 N/cm; 650, 650 lb/in	ASTM D751		18 N/cm; 10 lb/in	ASTM D751		3.45 Mpa; 500 psi	ASTM D751		-40 C, -40 F -55 C, -67 F	ASTM D2136	NFPA701, CSFM, ASTM E84; ASTM D6413	Depends on color	Lap or Butt	Heatseal or RF	-40-160 F		
	Pole tents, tension tents, tensile structures	Shelter-Rite 9319	Seaman Corp.	108 g/m ² ; 3.2 oz/yd ²	Weft-inserted Warp-knit			PVDF; Acrylic; Kynar; Tedlar		10+ Years	10 Years	ASTM D751		644 g/m ² ; 19 oz/yd ²	137 cm; 54 in	155, 178 N; 35, 40 lb	ASTM D751		155, 178 N; 35, 40 lb	ASTM D751		1157, 1157 N; 260, 260 lb	118, 178 daN/5cm; 200, 200 lb/in	ASTM D751		18 N/cm; 10 lb/in	ASTM D751		3.45 Mpa; 500 psi	ASTM D751		-40 C, -40 F	ASTM D2136	NFPA701, CSFM, ASTM E84; ASTM D6413; ULC S109; ULC S102	Depends on color	Lap or Butt	Heatseal or RF	-40-160 F		
	Air structures, frame supported structures, tensile structures	B 4092, Type V	Versheid Indutex							15-20 Years	10 Years	ASTM D751		42.8 oz/yd ²	250 cm; 98.42 in	405, 360 lb	ASTM D4851		405, 360 lb	ASTM D4851		1102, 993 lb	ASTM D4851		17 lb/in	ASTM D4851					-40 C, -40 F		DIN 4102 B1, NFPA 701 small scale, CAL-T-19		Lap		-40-160 F			
	Air structures, frame supported structures, tensile structures	B 4617, Type II	Versheid Indutex							15-20 Years	10 Years	ASTM D751		26.5 oz/yd ²	250 cm; 98.42 in	130, 117 minimum	ASTM D4851		130, 117 minimum	ASTM D4851		500, 450 lb	ASTM D4851		11 lb/in	ASTM D4851					-40 C, -40 F		DIN 4102 B1, NFPA 701 small scale, CSFM Title 19		Lap		-40-160 F			
	Air structures, frame supported structures, tensile structures	B 4618, Type IV	Versheid Indutex							15-20 Years	15 Years	ASTM D751		38.3 oz/yd ²	250 cm; 98.42 in	315, 247 lb	ASTM D4851		315, 247 lb	ASTM D4851		837, 719 lb	ASTM D4851		17 lb/in	ASTM D4851					-40 C, -40 F		DIN 4102 B1, NFPA 701 small scale, CSFM Title 19		Lap		-40-160 F			

PRODUCT		Polyester, PVC-Coated										Polyester, PVDF-coated	
Recommended Uses	Air structures, frame supported structures, tensile structures	Air structures, frame supported structures, tensile structures	Air structures, frame supported structures, tensile structures	Air structures, frame supported structures, tensile structures	Air structures, frame supported structures, tensile structures	Air structures, frame supported structures, tensile structures	Air structures, frame supported structures, tensile structures	Air structures, frame supported structures, tensile structures	Air structures, frame supported structures, tensile structures	Air structures, frame supported structures, tensile structures	Air structures, frame supported structures, tensile structures	Air structures, frame supported structures, tensile structures	Air structures, frame supported structures, tensile structures
Trade Name of Fabric	B 4915, Type III	B 4951, Type I	Hiraoka 102THI (SAC)	Hiraoka 102FII	Hiraoka 104T	Hiraoka 212FII (SAC)	Hiraoka 313THI (SAC)	Hiraoka 412FII	Hiraoka 412FII	Hiraoka 412FII	Hiraoka 412FII	Hiraoka 412FII	Hiraoka 412FII
Trademark Holder/Supplier	Verseidag Indutex	Verseidag Indutex	Hiraoka & Co. Ltd.	Hiraoka & Co. Ltd.	Hiraoka & Co. Ltd.	Hiraoka & Co. Ltd.	Hiraoka & Co. Ltd.	Hiraoka & Co. Ltd.	Hiraoka & Co. Ltd.	Hiraoka & Co. Ltd.	Hiraoka & Co. Ltd.	Hiraoka & Co. Ltd.	Hiraoka & Co. Ltd.
Base Fabric	Panama	Plain	L 1/1	L 1/1	Plain	L 1/1	L 1/1	L 1/1	L 1/1	L 1/1	L 1/1	L 1/1	Plain
Coating	PVDF weldable	PVDF weldable	PVDF	PVDF	PVDF	PVDF	PVDF	PVDF	PVDF	PVDF	PVDF	PVDF	PVDF
Life Expectancy	15-20 Years	15-20 Years	15 Years	15 & 20 Years	10 Years	15 Years	15 & 20 Years	15 Years	15 Years	15 & 20 Years	15 & 20 Years	15 & 20 Years	15 & 20 Years
Warranty, duration	15 Years	15 Years	ASTM D751	ASTM D751	ASTM D751	ASTM D751	ASTM D751	ASTM D751	ASTM D751	ASTM D751	ASTM D751	ASTM D751	ASTM D751
Finished Fabric	31.0 oz/yd ²	23.6 oz/yd ²	800 g/m ² ; 24 oz/yd ²	800 g/m ² ; 24 oz/yd ²	635 g/m ² ; 18.4 oz/yd ²	940 g/m ² ; 28 oz/yd ²	1100 g/m ² ; 32 oz/yd ²	1470 g/m ² ; 47.2 oz/yd ²	1470 g/m ² ; 47.2 oz/yd ²	1470 g/m ² ; 47.2 oz/yd ²	1470 g/m ² ; 47.2 oz/yd ²	1470 g/m ² ; 47.2 oz/yd ²	1470 g/m ² ; 47.2 oz/yd ²
Roll width, usable	250 cm; 98.42 in	250 cm; 98.42 in	214, 180 minimum	214, 180 minimum	204 cm; 80 in	204 cm; 80 in	204 cm; 80 in	204 cm; 80 in	204 cm; 80 in	204 cm; 80 in	204 cm; 80 in	204 cm; 80 in	204 cm; 80 in
Tongue tear	67.67 lb	67.67 lb	ASTM D4851	ASTM D4851	ASTM D4851	ASTM D4851	ASTM D4851	ASTM D4851	ASTM D4851	ASTM D4851	ASTM D4851	ASTM D4851	ASTM D4851
Trapezoidal tear													
Grab tensile													
Strip tensile													
Adhesion													
Hydrostatic resistance													
Cold crack													
Burning Characteristics - Test method	DIN 4102 B1, NFPA 701 small scale, CAL T-19	DIN 4102 B1, NFPA 701 small scale, CSFM Title 19	NFPA-701, ASTM E84, CSFM, BS 7837	NFPA-701, ASTM E84, CSFM, AS 1530 2 & 3, BS 7837	NFPA-701, CSFM, ASTM E84, BS 7837, AS 1530 2 & 3	NFPA-701, ASTM E-84, CSFM, DIN 4102-1 b-1, BS 7837, CAN/ULC S109	CSFM, NFPA 701, BS-7837, CAN/ULC S109, GOST 30244-91	CSFM, NFPA 701, BS-7837, CAN/ULC S109, GOST 30244-91	CSFM, NFPA 701, BS-7837, CAN/ULC S109, GOST 30244-91	CSFM, NFPA 701, BS-7837, CAN/ULC S109, GOST 30244-91	CSFM, NFPA 701, BS-7837, CAN/ULC S109, GOST 30244-91	CSFM, NFPA 701, BS-7837, CAN/ULC S109, GOST 30244-91	CSFM, AS 1530 2 & 3
Light Values - Test method													
Transmission, reflectance, absorption													
Seams (recommended style)	Lap	Lap	Overlap	Overlap	Overlap	Overlap	Overlap	Overlap	Overlap	Overlap	Overlap	Overlap	Overlap
Construction method			Heatseal, RF	Heatseal, RF	Heatseal, RF	Heatseal, RF	Heatseal, RF	Heatseal, RF	Heatseal, RF	Heatseal, RF	Heatseal, RF	Heatseal, RF	Heatseal, RF
Useful temperature range	-40-160 F	-40-160 F	-30-80 C; -22-140 F	-30-80 C; -22-140 F	-30-70 C; -22-158 F	-30-60 C; -22-140 F	-30-60 C; -22-140 F	-30-60 C; -22-140 F	-30-60 C; -22-140 F	-30-60 C; -22-140 F	-30-60 C; -22-140 F	-30-60 C; -22-140 F	-30-60 C; -22-140 F

PRODUCT		Polymer, Solution Dyed				PTFE				PTFE Mesh
Recommended Uses	Tents	Tents, Tensile Structures, Shade Sails	Tents, Tensile Structures, Shade Sails	Tents, Tensile Structures, Shade Sails	Tension tents, pole tents, clearspans, tensile structures	Tension tents, pole tents, clearspans, tensile structures	Tension tents, pole tents, clearspans, tensile structures	Tension tents, pole tents, clearspans, tensile structures	Facades, Shadecalls, Shade Structures, Tensile Structures, Awnings	
Trade Name of Fabric	Firesist	WeatherMAX 80	WeatherMAX FR	WeatherMAX FR	Sefar Architecture EL-30-T1-UV	Sefar Architecture EL-40-T1	Sefar Architecture EL-55-T0	Sefar Architecture EL-55-T0	Solis FTP-35	
Trademark Holder/Supplier	Glen Raven Custom Fabrics	Safety Components	Safety Components	Safety Components	SEFAR	SEFAR	SEFAR	SEFAR	Serge Ferrari	
Base Fabric	Weight	8.0 oz/yd ²	8.0 oz/yd ²	8.0 oz/yd ²						
	Weave Style	Ottoman	Ottoman	Ottoman	Panama 2/2	Panama 2/2	Cross-Twill 2/2			
	Yarn Count (warp, fill)							Fluoropolymer	PTFE Coated Glass	
	Weight (top, bottom)	Yes		1.75 oz				28.5 oz/yd ²		
Coating	UV topcoat material				Fluoropolymer - SPF 45+	Fluoropolymer	Fluoropolymer	PTFE		
	UV topcoat weight									
Life Expectancy	5+ Years	7-12 Years	7-10 Years	7-10 Years	20+ Years	20+ Years	20+ Years	20 Years		
Warranty, duration	5 Years	5 Years	5 Years	5 Years	10 Years	10 Years	10 Years	10 Years		
Test Method	ASTM D3776									
Finished Fabric	Thickness	0.38 mm	0.42 mm	0.42 mm	0.29 mm, 0.011 in	0.29 mm, 0.011 in	0.19 mm, 0.008 in			
	Weight	8.75 oz/yd ²	9.75 oz/yd ²	9.75 oz/yd ²	330 g/m ²	330 g/m ²	250 g/m ²			
Roll width, usable	60 in	60 in	60 in	60 in	1.6 m, 63 in	1.6 m, 63 in	1.6 m, 63 in	105 in		
Tongue tear	Warp, fill	20, 14 lb/in	20, 18 lb/in	13, 15 lb/in						
	Test method	ASTM D2261-96	ASTM D2261	ASTM D2261						
Trapezoidal tear	Warp, fill		69, 32 lb/in	35, 30 lb/in	2000, 1800 N/5cm, 228, 205.2 lb/in	30 N/5cm				
	Test method		ASTM D5587	ASTM D5587	EN ISO 13934-1	DIN 53859-5				
Grab tensile	Warp, fill	350, 200 Lbf	490, 390	490, 390	4100, 4000 N/5cm, 457, 456 lb/in	2000, 2050 N/5cm, 228, 229 lb/in	1500, 1600 N/5cm; 171, 182 lb/in			
	Test method	ASTM D5034-95	ASTM D5034	ASTM D5034	EN ISO 13934-1	EN ISO 13934-1	EN ISO 13934-1			
Strip tensile	Warp, fill									
	Test method									
Adhesion	Warp, fill									
	Test method									
Hydrostatic resistance	Warp, fill	95 cm	50 cm	90+ cm						
	Test method	AATCC 127-1998	AATCC 127	AATCC 127						
Cold crack	Warp, fill	Pass	No change after 5 days at -40 F	No change after 5 days at -40 F						
	Test method	ASTM B751-06	SAE J 323	SAE J 323						
Burning Characteristics -Test method	ASTM E84, CSFM Title 19, NFPA 701, UFCA Class I, CPAI-84	N/A	CPAI-84, CSFM Title 19, NFPA 701, ASTM E-84, Canadian CAN/ULC-S109	Varies by color	ASTM E84 Class A, B1 to DIN 4102, EN13501 B-s1, DO	ASTM E84 Class A, B1 to DIN 4102, EN13501 B-s1, DO	ASTM E84 Class A, B1 to DIN 4102, EN13501 B-s1, DO	ASTM E84 Class A, B1 to DIN 4102, EN13501 B-s1, DO	ASTM 136	
Light Values -Test method	EN410/4500 for a range of colors	Varies by color	Varies by color	Varies by color	ASTM D1003	ASTM D1003	ASTM D1003	ASTM D1003		
Transmission, reflectance, absorption	0-19%, 4-81%, 1-96%				35%, 64%, 1%	40%, 59%, <1%	55%, 44%, 1%			
Seams (recommended style)	Lap or French Hem	Lap, French	Lap, French	Lap, French	Lap	Lap	Lap	PTFE Weld		
Construction method	Heatseal with tape, Sew	Sew Heatseal	Sew Heatseal or RF (with tape)	Sew Heatseal or RF (with tape)	Sew	Sew	Sew			
Useful temperature range	-40-225 F	-40-170 F	-40-170 F	-40-170 F				-22-158 F		

PRODUCT		PTFE with Fluorinated Film			PVC Coated Polyester - Acrylic Coated			PVC Coated Polyester - PVDF		
Recommended Uses	Permanent Applications - Facades, Shade Structures, Tensile Structures, Frame Structures	Tent & Structure Liner Membrane	Tents - Clearspan, Pole Tent, Frame Tent, Tension Tent, Tensile Structures, Shade Structures, Shadecalls, Tent Sidewalls, Awnings	Tent & Structure Liner Membrane	Tents - Clearspan, Pole Tent, Frame Tent, Tension Tent, Tensile Structures, Shade Structures, Shadecalls, Tent Sidewalls, Awnings	Permanent Applications - Facades, Shade Structures, Tensile Structures, Frame Structures	Permanent Applications - Facades, Shade Structures, Tensile Structures, Frame Structures	Permanent Applications - Facades, Shade Structures, Tensile Structures, Frame Structures	Permanent Applications - Facades, Shade Structures, Tensile Structures, Frame Structures	
Trade Name of Fabric	FX - 901	Precontraint 402	Precontraint 702 Alu - Opaque	Precontraint 402 1399 High Translucency	Precontraint 602 Opaque	Precontraint TX 30 TYPE I	Precontraint TX 30 TYPE II	Precontraint TX 30 TYPE III		
Trademark Holder/Supplier	Serge Ferrari	Serge Ferrari	Serge Ferrari	Serge Ferrari	Serge Ferrari	Serge Ferrari	Serge Ferrari	Serge Ferrari		
Weight										
Base Fabric	Glass PTFE Mesh	Precontraint - Basket Weave	Precontraint - Basket Weave	Precontraint - Basket Weave	Precontraint - Basket Weave	Precontraint - Basket Weave	Precontraint - Basket Weave	Precontraint - Basket Weave		
Yarn Count (warp, fill)	PTFE Coated Glass	High Tenacity Polyester	High Tenacity Polyester	High Tenacity Polyester	High Tenacity Polyester	High Tenacity Polyester	High Tenacity Polyester	High Tenacity Polyester		
Weight (top, bottom)	28.6 oz/yd ²	14.5 oz/yd ²	24.5 oz/yd ²	14.5 oz/yd ²	22.1 oz/yd ²	22 oz/yd ²	31 oz/yd ²	31 oz/yd ²		
Coating	Fluorinated Polymer	Acrylic	Acrylic	Acrylic	Acrylic	PVDF	PVDF	PVDF		
UV topcoat material										
UV topcoat weight	20 Years									
Life Expectancy	10 Years	20 Years	10 Years	20 Years	8 Years	20 Years	30 Years	30 Years		
Warranty, duration										
Test Method		10 Years Interior	7 Years	10 Years Interior	3 Years	15 Years	20 Years	20 Years		
Finished Fabric		NF EN ISO 2286-2	NF EN ISO 2286-2	NF EN ISO 2286-2						
Thickness			0.64 mm			0.48 mm	0.78 mm	0.78 mm		
Weight	28.6 oz/yd ²	14.5 oz/yd ²	26.7 oz/yd ²	14.5 oz/yd ²	22.1 oz/yd ²	22 oz/yd ²	31 oz/yd ²	31 oz/yd ²		
Roll width, usable	59 in	105 in	105 in	105 in	98 in	70 in	70 in	70 in		
Tongue tear	Warp, fill									
Test method										
Trapezoidal tear	Warp, fill	20, 20 daN/5cm	30, 28 daN/5cm	20, 20 daN/5cm	20, 20 daN/5cm	85, 82 lb/in	105, 100 lb/in	130, 110 lb/in		
Test method		DIN 53363	DIN 53363	DIN 53363	DIN 53363	ASTM D751-00	ASTM D751-00	ASTM D751-00		
Grab tensile	Warp, fill									
Test method										
Strip tensile	Warp, fill	430, 310 daN/5cm	280, 280 daN/5cm	250, 250 daN/5cm	250, 250 daN/5cm	340, 330 lb/in	480, 450 lb/in	565, 565 lb/in		
Test method		NF EN ISO 1421	NF EN ISO 1421	NF EN ISO 1421	NF EN ISO 1421	ASTM D751-00	ASTM D751-00	ASTM D751-00		
Adhesion	Warp, fill	15 daN/5cm	10 daN/5cm	8 daN/5cm	9 daN/5cm	10 daN/5cm	12 daN/5cm	12 daN/5cm		
Test method		NF EN ISO 2411	NF EN ISO 2411	NF EN ISO 2411	NF EN ISO 2411	NF EN ISO 2411	NF EN ISO 2411	NF EN ISO 2411		
Hydrostatic resistance	Warp, fill									
Test method										
Cold crack	Warp, fill									
Test method										
Burning Characteristics - Test method	ASTM 136	CSFM, NFPA 701	CSFM, NFPA 701	CSFM, NFPA 701	CSFM, NFPA 701	CSFM, NFPA 701	CSFM, NFPA 701	CSFM, NFPA 701		
Light Values - Test method	EN 410		EN 410	EN 410						
Transmission, reflectance, absorption	67% Light Transmission		Opaque	36%, 50%, 14%	Opaque		10%, 75%, 15%	9%, 75%, 16%		
Seams (recommended style)	PTFE Weld	RF-Overlap	RF-Overlap	RF-Overlap	RF-Overlap	Abrasion-RF-Overlap	Abrasion-RF-Overlap	Abrasion-RF-Overlap		
Construction method										
Useful temperature range	-22-158 F	-22-158 F	-22-158 F	-22-158 F	-22-158 F	-22-158 F	-22-158 F	-22-158 F		

PRODUCT		PVC Coated Polyester - PVDF					PVC Coated Polyester - Weldable PVDF																				
		Permanent Applications - Facades, Shade Structures, Tensile Structures, Frame Structures	Precoat TX 30 TYPE IV	Serge Ferrari	Permanent Applications - Facades, Shade Structures, Tensile Structures, Frame Structures	Precoat TX 30 TYPE V	Serge Ferrari	Air Structures, Frame Structures, Tensile Structures, Mobile Structures, Clearspans, Shade Structures	Precoat 1002 S2	Serge Ferrari	Air Structures, Frame Structures, Tensile Structures, Mobile Structures, Clearspans, Shade Structures	Precoat 1202 S2	Serge Ferrari	Air Structures, Frame Structures, Tensile Structures, Mobile Structures, Clearspans, Shade Structures	Precoat 1302 S2	Serge Ferrari	Air Structures, Frame Structures, Tensile Structures, Mobile Structures, Clearspans, Shade Structures	Precoat 1502 S2	Serge Ferrari	Air Structures, Frame Structures, Tensile Structures, Mobile Structures, Clearspans, Shade Structures	Precoat 502 S2 Translucent	Serge Ferrari	Tents - Clearspan, Pole Tent, Frame Tent, Tension Tent, Tensile Structures, Shade Structures, Shadecalls, Tent Sidewalls, Awnings	Precoat 702 S2 Opaque	Serge Ferrari	Tents - Clearspan, Pole Tent, Frame Tent, Tension Tent, Tensile Structures, Shade Structures, Shadecalls, Tent Sidewalls, Awnings	
Recommended Uses	Trade Name of Fabric																										
	Trademark Holder/Supplier																										
Base Fabric	Weight																										
	Weave Style																										
Coating	Yarn Count (warp, fill)																										
	Weight (top, bottom)																										
Finished Fabric	UV topcoat material																										
	UV topcoat weight																										
Life Expectancy	Life Expectancy																										
	Warranty, duration																										
Tongue tear	Test Method																										
	Thickness																										
Trapezoidal tear	Weight																										
	Roll width, usable																										
Grab tensile	Warp, fill																										
	Test method																										
Strip tensile	Warp, fill																										
	Test method																										
Adhesion	Warp, fill																										
	Test method																										
Hydrostatic resistance	Warp, fill																										
	Test method																										
Cold crack	Warp, fill																										
	Test method																										
Burning Characteristics -Test method	Burning Characteristics -Test method																										
	Light Values -Test method																										
Seams (recommended style)	Transmission, reflectance, absorption																										
	Seams (recommended style)																										
Useful temperature range	Construction method																										
	Useful temperature range																										

PRODUCT		PVC Coated Polyester - Weldable PVDF					PVDF	Silicone Coated Glass
Recommended Uses	Facades, Pergolas, Shadesails, Shade Structures, Tensile Structures, Awnings, Tent Side Walls	Tents - Clearspan, Pole Tent, Frame Tent, Tension Tent, Tensile Structures, Shade Structures, Shadesails, Tent Sidewalls, Awnings	Air Structures, Frame Structures, Tensile Structures, Mobile Structures, Clearspans, Shade Structures	Awnings, Pergolas, Shadesails, All Tents, Tensile Structures, Cabana's, & More	Awnings, Pergolas, Shadesails, All Tents, Tensile Structures, Cabana's, & More	Tension facades, shading	Interior-Only - Facades, Shade Structures, Light Diffusion	
Trade Name of Fabric	Soltis FT 392 S2	Preconstraint 702 S2 Translucent	Preconstraint 902 S2	Preconstraint 502 Satin	Stam 6002 L	Sefar Architecture IE 200-S	Soltis SK 20	
Trademark Holder/Supplier	Serge Ferrari	Serge Ferrari	Serge Ferrari	Serge Ferrari	Serge Ferrari	SEFAR	Serge Ferrari	
Base Fabric	Weight	Preconstraint - BasketWeave	Preconstraint - BasketWeave	Preconstraint - BasketWeave	Preconstraint - BasketWeave	990 g/m ²		
	Weave Style	High Tenacity Polyester	High Tenacity Polyester	High Tenacity Polyester	High Tenacity Polyester	Taffeta		
	Yarn Count (warp, fill)	34.5 oz/yd ²	22.5 oz/yd ²	28 oz/yd ²	16.7 oz/yd ²	PVDF	Silicone Coated Glass	
Coating	Weight (top, bottom)	Calibrated PVDF	Calibrated PVDF	Calibrated PVDF	Calibrated PVDF		9.3 oz/yd ²	
	UV topcoat material						Silicone	
	UV topcoat weight							
Life Expectancy	18 Years	12 Years	15 Years	15 Years	15 Years	20 Years	20 Years	
Warranty, duration	10 Years	7 Years	10 Years	10 Years Awnings & all other	8 Years	10 years	10 Years Interior	
Test Method								
Finished Fabric	Thickness			0.48 mm		1.3 mm, 0.051 in		
	Weight	24.0 oz/yd ²		16.7 oz/yd ²		990 g/m ²		
Roll width, usable	70.8 in	98 & 105 in	105 in	70.8 in	67 in	2 m, 78.5 in		
Tongue tear	Warp, fill							
	Test method							
Trapezoidal tear	Warp, fill	60, 60 daN/5cm		20, 20 daN/5cm	80, 17 daN/5cm			
	Test method	DIN 53363		DIN 53363	DIN 53363			
Grab tensile	Warp, fill					4200, 4500		
	Test method					EN ISO 13934-1		
Strip tensile	Warp, fill	300, 300 daN/5cm		200, 200 daN/cm	220, 180 daN/5cm			
	Test method	NF EN ISO 1421		NF EN ISO 1421	NF EN ISO 1421			
Adhesion	Warp, fill	8 daN/5cm		7 daN/5cm	8 daN/5cm			
	Test method	NFG 37.107		NF EN ISO 2411				
Hydrostatic resistance	Warp, fill							
	Test method							
Cold crack	Warp, fill							
	Test method							
Burning Characteristics -Test method		CSFM, NFPA 701	CSFM, NFPA 701	ASTM E84, CSFM, NFPA 701	ASTM E84, CSFM, NFPA 701	ASTM E84, Class A, B1 TO DIN 4102	NFPA 701, NFPA 259	
Light Values -Test method						ASTM D 1003		
Transmission, reflectance, absorption				Depends on color	Depends on color	87%, 12%, <1%		
Seams (recommended style)		RF-Overlap	RF-Overlap	RF-Overlap	RF-Overlap	Lap	Sewing	
Construction method						RF Heatseal		
Useful temperature range		-22-158 F	-22-158 F	-22-158 F	-22-158 F	-22-158 F	-22-158 F	