

# SheerWeave® Style 4500/4600

## Specifications

■ Using advances in polyester yarn development, Styles 4500 and 4600 are thinner and lighter weight allowing for ease of fabrication. Both styles are full basketweaves, making them ideal for applications that require a more opaque and non-directional fabric.

**Fire Classification:** California U.S. Title 19 (small scale), ASTM E 84 (Class 1), BS 5867 2008 Part 2 Type B Performance, and NFPA 701 TM#1 Small Scale

**Bacteria and Fungal Resistance:** ASTM E 2180 and ASTM G 22

**Environmental Certification:** GREENGUARD Certified and GREENGUARD for Children and Schools Certified

**Lead Free:** RoHS / Directive 2002/95/EC, US Consumer Product Safety Commission Section 101 and ANSI/WCMA A100.1-2007 for lead content



## Style 4500

**Standard Colors:** Chalk, Granite, Ecru, Golden Sand, Linen, Pewter, Ebony, Sandstone, Cappuccino and Dark Bronze

**Standard Widths:** 63" and 98" (160.0cm and 248.9cm)

**Standard Roll Length:** 30 Linear Yards (27.4m)

**Composition:** 17% Polyester, 83% Vinyl on Polyester

**Mesh Weight:** 14.4 oz/yd<sup>2</sup> (488.25 g/m<sup>2</sup>)

**Fabric Thickness:** .024 in (0.61mm)

**Openness Factor:** Approximately 5%

**UV Blockage:** Approximately 95%

**Breaking Strength (lb):** 181 Warp, 168 Fill

**Stiffness (mg):** 240 Warp, 190 Fill

Solar Heat Control Properties of Phifer SheerWeave Style 4500 Fabrics Installed Internally, Zero-Degree Profile Angle

Style No.	Color	*Solar Optical Properties				Shading Coefficient w/				
		TS	RS	AS	TV	Single			-Insulating-	
						1/8CL	1/4CL	1/4HA	1CL	1HA
P06	Chalk	12	74	14	11	0.26	0.27	0.29	0.27	0.22
P10	Granite	6	47	47	8	0.44	0.43	0.37	0.41	0.30
Q59	Ecru	9	56	35	9	0.39	0.38	0.34	0.38	0.28
Q60	Golden Sand	7	37	56	8	0.52	0.50	0.40	0.46	0.33
U32	Linen	11	63	26	12	0.34	0.34	0.32	0.33	0.26
V07	Pewter	6	30	64	9	0.56	0.54	0.43	0.50	0.35
V10	Ebony	5	3	92	7	0.74	0.70	0.51	0.63	0.43
V44	Sandstone	8	40	52	9	0.50	0.48	0.40	0.45	0.33
V95	Cappuccino	6	18	76	9	0.64	0.61	0.47	0.56	0.39
V96	Dark Bronze	7	5	88	10	0.73	0.70	0.51	0.63	0.43

## Style 4600

**Standard Colors:** Chalk, Granite, Ecru, Golden Sand, Linen, Pewter, Ebony, Sandstone, Cappuccino and Dark Bronze

**Standard Widths:** 63" and 98" (160.0cm and 248.9cm)

**Standard Roll Length:** 30 Linear Yards (27.4m)

**Composition:** 22% Polyester, 78% Vinyl on Polyester

**Mesh Weight:** 17.4 oz/yd<sup>2</sup> (589.97 g/m<sup>2</sup>)

**Fabric Thickness:** .030 in (0.76mm)

**Openness Factor:** Approximately 3%

**UV Blockage:** Approximately 97%

**Breaking Strength (lb):** 183 Warp, 308 Fill

**Stiffness (mg):** 230 Warp, 439 Fill

Solar Heat Control Properties of Phifer SheerWeave Style 4600 Fabrics Installed Internally, Zero-Degree Profile Angle

Style No.	Color	*Solar Optical Properties				Shading Coefficient w/				
		TS	RS	AS	TV	Single			-Insulating-	
						1/8CL	1/4CL	1/4HA	1CL	1HA
P06	Chalk	10	74	16	9	0.26	0.27	0.28	0.26	0.22
P10	Granite	5	43	52	7	0.47	0.46	0.38	0.43	0.31
Q59	Ecru	7	58	35	8	0.37	0.37	0.33	0.34	0.27
Q60	Golden Sand	6	37	57	7	0.51	0.50	0.40	0.46	0.33
U32	Linen	8	64	28	8	0.33	0.33	0.31	0.32	0.25
V07	Pewter	5	31	64	7	0.55	0.53	0.42	0.49	0.35
V10	Ebony	3	3	94	5	0.74	0.70	0.51	0.61	0.43
V44	Sandstone	5	39	56	6	0.50	0.48	0.40	0.45	0.33
V95	Cappuccino	4	20	76	6	0.63	0.60	0.46	0.55	0.38
V96	Dark Bronze	4	5	91	7	0.73	0.69	0.50	0.62	0.42

\* Performance evaluations conducted by Matrix, Inc., Mesa, Arizona.

TS = Solar Transmittance      1/8 CL = 1/8" Clear Glass  
 RS = Solar Reflectance      1/4 CL = 1/4" Clear Glass  
 AS = Solar Absorption      1/4HA = 1/4" Heat Absorbing Glass  
 TV = Visual Transmittance

The solar optical properties are used to calculate the shading coefficient. The shading coefficient represents the percentage of solar heat gain that is transmitted to the interior through the glass and shading system. Darker colors provide maximum glare reduction and visibility. For complete technical information, current test results, performance specifications and larger samples, contact our Sun Control Marketing Department.



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