

# SheerWeave® Style 2701/2703/2705/2710

## Specifications

■ Styles 2701, 2703, 2705 and 2710 are woven from a unique twill pattern that displaces the individual yarns to create a two-sided fabric for maximum performance in heat reduction, glare reduction and improved visibility.

**Fire Classification:** California U.S. Title 19 (small scale), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), UBC (Class I), British Standard 5867 and NFPA 701 TM#2 Large Scale

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

**Indoor Air Quality:** GREENGUARD Certified and GREENGUARD for Children and Schools Certified



### Style 2701

**Standard Colors:** Oyster, Oyster/Beige, Oyster/Charcoal, Oyster/Pewter and Oyster/Chestnut

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

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

**Composition:** 36% Fiberglass, 64% Vinyl on Fiberglass

**Mesh Weight:** 14.6 oz/yd<sup>2</sup> (495 g/m<sup>2</sup>)

**Fabric Thickness:** .027 in (0.66mm)

**Openness Factor:** Approximately 1%

**UV Blockage:** Approximately 99%

**Breaking Strength (lb):** 264 Warp, 377 Fill

**Stiffness (mg):** 260 Warp, 325 Fill

### Style 2703

**Standard Colors:** Oyster, Oyster/Beige, Oyster/Charcoal, Oyster/Pewter and Oyster/Chestnut

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

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

**Composition:** 36% Fiberglass, 64% Vinyl on Fiberglass

**Mesh Weight:** 14.0 oz/yd<sup>2</sup> (475 g/m<sup>2</sup>)

**Fabric Thickness:** .028 in (0.71mm)

**Openness Factor:** Approximately 3%

**UV Blockage:** Approximately 97%

**Breaking Strength (lb):** 247 Warp, 312 Fill

**Stiffness (mg):** 260 Warp, 247 Fill

### Style 2705

**Standard Colors:** Oyster, Oyster/Beige, Oyster/Charcoal, Oyster/Pewter and Oyster/Chestnut

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

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

**Composition:** 34% Fiberglass, 66% Vinyl on Fiberglass

**Mesh Weight:** 11.8 oz/yd<sup>2</sup> (379 g/m<sup>2</sup>)

**Fabric Thickness:** .025 in (0.64mm)

**Openness Factor:** Approximately 5%

**UV Blockage:** Approximately 95%

**Breaking Strength (lb):** 279 Warp, 240 Fill

**Stiffness (mg):** 280 Warp, 270 Fill

### Style 2710

**Standard Colors:** Oyster, Oyster/Beige, Oyster/Charcoal, Oyster/Pewter and Oyster/Chestnut

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

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

**Composition:** 34% Fiberglass, 66% Vinyl on Fiberglass

**Mesh Weight:** 10.4 oz/yd<sup>2</sup> (353 g/m<sup>2</sup>)

**Fabric Thickness:** .025 in (0.64mm)

**Openness Factor:** Approximately 10%

**UV Blockage:** Approximately 90%

**Breaking Strength (lb):** 283 Warp, 220 Fill

**Stiffness (mg):** 418 Warp, 257 Fill

### Solar Heat Control Properties of Phifer SheerWeave Style 2701 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	1/2CL	1CL	1HA				
P12	Oyster	21	64	15	17	0.36	0.36	0.33	0.34	0.34	0.26
P13	Oyster/Beige	15	57	28	12	0.38	0.38	0.34	0.36	0.35	0.27
P28	Oyster/Charcoal	5	39	56	6	0.49	0.47	0.39	0.46	0.44	0.32
P91	Oyster/Pewter	6	43	51	6	0.46	0.45	0.37	0.45	0.42	0.30
P92	Oyster/Chestnut	6	41	53	6	0.47	0.46	0.38	0.46	0.44	0.32

### Solar Heat Control Properties of Phifer SheerWeave Style 2703 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	1/2CL	1CL	1HA				
P12	Oyster	22	62	16	19	0.38	0.37	0.34	0.35	0.35	0.27
P13	Oyster/Beige	15	58	27	13	0.39	0.38	0.34	0.37	0.36	0.28
P28	Oyster/Charcoal	7	40	53	8	0.50	0.48	0.39	0.47	0.44	0.32
P91	Oyster/Pewter	8	44	48	9	0.47	0.46	0.38	0.45	0.42	0.31
P92	Oyster/Chestnut	7	42	51	8	0.48	0.47	0.39	0.46	0.43	0.32

### Solar Heat Control Properties of Phifer SheerWeave Style 2705 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	1/2CL	1CL	1HA				
P12	Oyster	22	62	16	20	0.38	0.37	0.34	0.35	0.35	0.27
P13	Oyster/Beige	23	54	23	21	0.44	0.43	0.37	0.41	0.39	0.30
P28	Oyster/Charcoal	12	40	48	14	0.51	0.49	0.40	0.48	0.45	0.33
P91	Oyster/Pewter	11	46	43	12	0.46	0.45	0.38	0.44	0.42	0.31
P92	Oyster/Chestnut	12	43	45	13	0.49	0.47	0.39	0.46	0.44	0.32

### Solar Heat Control Properties of Phifer SheerWeave Style 2710 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	1/2CL	1CL	1HA				
P12	Oyster	34	54	12	32	0.46	0.45	0.38	0.43	0.41	0.31
P13	Oyster/Beige	29	51	20	28	0.47	0.46	0.39	0.44	0.42	0.31
P28	Oyster/Charcoal	21	37	42	24	0.55	0.53	0.42	0.52	0.48	0.35
P91	Oyster/Pewter	24	43	33	25	0.52	0.50	0.41	0.48	0.45	0.33
P92	Oyster/Chestnut	25	41	34	26	0.53	0.52	0.42	0.50	0.47	0.34

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

TS = Solar Transmittance      1/8 CL = 1/8" Clear Glass      1/2 CL = 1/2" Clear Glass  
 RS = Solar Reflectance      1/4 CL = 1/4" Clear Glass      1 CL = 1" Clear Glass  
 AS = Solar Absorption      1/4HA = 1/4" Heat Absorbing Glass      1 HA = 1" 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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 V08C 3021570