

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 701-1999 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./yd² (495 gr/m²)

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./yd² (475 gr/m²)

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./yd² (379 gr/m²)

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./yd² (353 gr/m²)

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 Absorptance 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.