

# Fabric Specification: SheerWeave 2703

## SheerWeave 2703



Openness Factor:  $\pm 3\%$   
 UV Blockage:  $\pm 97\%$   
 Standard Roll Widths: 63", 98"  
 Composition: 36% Fiberglass / 64% Vinyl  
 Mesh/Inch: 56 Warp / 49 Fill  
 Mesh Weight: 14.0 oz./yd<sup>2</sup>  
 Yarn Diameter (inch): 0.011 Warp / 0.013 Fill  
 Fabric Thickness (inch): 0.028  
 Breaking Strength (lbs): 247 Warp / 312 Fill  
 Stiffness (Mg): 260 Warp / 247 Fill  
 Environmental Certification: GREENGUARD Indoor Air Quality Certified for low emissions (LEED™)  
 GREENGUARD for Children and Schools Certified  
 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, NFPA 701 TM #2 (large scale)  
 Bacteria & Fungal Resistance: ASTM-E 2180

Style #	Color	TS	Solar Optical Properties				Shading Coefficient with					
			RS	AS	TV	-----Single-----			-----Insulating-----			
						1/8 CL	1/4 CL	1/4 HA	1/2 CL	1 CL	1 HA	
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	

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 Absorptance       1/4 HA = 1/4" Heat Absorbing Glass  
 TV = Visual Transmittance    1/2 CL = 1/2" Insulating Clear Glass  
    1 CL = 1" Insulating Clear Glass  
    1 HA = 1" Insulating Heat Absorbing Glass

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.