

# Fabric Specification: SheerWeave 4500

## SheerWeave 4500

Openness Factor:  $\pm 5\%$   
 UV Blockage:  $\pm 95\%$   
 Standard Roll Widths: 63", 98"  
 Composition: 17% Polyester / 83% Vinyl  
 Mesh/Inch: 45 Warp / 42 Fill  
 Mesh Weight: 14.40 oz./yd<sup>2</sup>  
 Yarn Diameter (inch): 0.013 Warp / 0.013 Fill  
 Fabric Thickness (inch): 0.024  
 Breaking Strength (lbs): 181 Warp / 168 Fill  
 Stiffness (Mg): 240 Warp / 190 Fill  
 Fire Classification: California U.S. Title 19 (small scale), NFPA 701 TM #1 (small scale), British Standard 5867 Type B, ASTM E 84 (Class I)  
 Bacteria & Fungal Resistance: ASTM-G21, ASTM-G22

Style #	Color	TS	Solar Optical Properties			Shading Coefficient with			
			RS	AS	TV	-----Single-----		-----Insulating-----	
						1/4 CL	1/4 HA	1 CL	1 HA
P06	Chalk	12	74	14	11	0.27	0.29	0.27	0.22
P10	Granite	6	47	47	8	0.43	0.37	0.41	0.30
Q59	Ecru	9	56	35	9	0.38	0.34	0.38	0.28
Q60	Golden Sand	7	37	56	8	0.50	0.40	0.46	0.33
V10	Ebony	5	3	92	7	0.70	0.51	0.63	0.43
V44	Sandstone	8	40	52	9	0.48	0.40	0.45	0.33
V46	Sable	6	28	66	8	0.55	0.43	0.51	0.36

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

TS = Solar Transmittance                      1/4 CL = 1/4" Clear Glass  
 RS = Solar Reflectance                        1/4 HA = 1/4" Heat Absorbing Glass  
 AS = Solar Absorptance                        1 CL = 1" Insulating Clear Glass  
 TV = Visual Transmittance                    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.