

# Fabric Specification: SheerWeave 4400

## SheerWeave 4400

Openness Factor:  $\pm 3\%$   
 UV Blockage:  $\pm 97\%$   
 Standard Roll Widths: 63", 84", 98", & 126" (126" wide goods are only available in certain colors)  
 Composition: 25% Polyester / 75% Vinyl  
 Mesh/Inch: 42 Warp / 30 Fill  
 Mesh Weight: 20.70 oz./yd<sup>2</sup>  
 Yarn Diameter (inch): 0.020 Warp / 0.020 Fill  
 Fabric Thickness (inch): 0.037  
 Breaking Strength (lbs): 340 Warp / 250 Fill  
 Stiffness (Mg): 650 Warp / 450 Fill  
 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), CAN/ULC S 109-M-87  
 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	70	18	7	0.30	0.30	0.16	0.15
P07	Alabaster	10	62	28	6	0.35	0.32	0.19	0.17
P10	Granite	6	48	46	5	0.43	0.37	0.25	0.20
Q12	Pebblestone	9	51	40	6	0.42	0.36	0.38	0.28
Q15	Greystone	6	39	55	5	0.48	0.40	0.44	0.32
Q16	Tobacco	3	5	92	3	0.69	0.50	0.62	0.42
V07	Pewter	3	26	71	2	0.56	0.44	0.34	0.25
V10	Ebony	3	3	94	3	0.70	0.51	0.63	0.43
V15	Ash	3	10	87	4	0.66	0.49	0.60	0.41

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.