

# Fabric Specification: SheerWeave 3000

## SheerWeave 3000

Openness Factor: ±14%  
 UV Blockage: ±86%  
 Standard Roll Widths: 72" & 96"  
 Composition: 35% Fiberglass / 65% Vinyl & 31% Polyester / 69% Vinyl  
 Mesh/Inch: 62 Warp / 20 Fill  
 Mesh Weight: 13.46 oz./yd<sup>2</sup>  
 Yarn Diameter (inch): 0.011 Warp / 0.022 Fill  
 Fabric Thickness (inch): 0.028  
 Breaking Strength (lbs): 250 Warp / 262 Fill  
 Stiffness (Mg): 291 Warp / 318 Fill  
 Fire Classification: NFPA 701-1999 TM #1 (small scale), NFPA 101 (Class A Rating),  
 UBC (Class I), NFPA 701 TM #2 (large scale)  
 Bacteria & Fungal Resistance: ASTM-G21, ASTM-G22

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	
P00	Spanish Gray	16	25	59	17	0.62	0.59	0.46	0.58	0.54	0.38	
P01	Pearl White	24	62	14	21	0.38	0.38	0.34	0.35	0.35	0.27	
Q01	Mushroom Sand	22	45	33	21	0.50	0.48	0.40	0.46	0.44	0.32	
Q02	Custard Cream	23	53	24	22	0.44	0.43	0.37	0.41	0.40	0.30	
Q04	Chocolate	13	4	83	15	0.76	0.72	0.52	0.70	0.64	0.44	
Q17	Sand Dollar	17	46	37	15	0.48	0.47	0.39	0.45	0.43	0.31	
Q18	Espresso	15	9	76	16	0.73	0.69	0.51	0.67	0.62	0.42	
Q19	Honey Sage	16	31	53	16	0.58	0.56	0.44	0.54	0.51	0.36	
V00	Dusty Gray	16	18	66	17	0.67	0.64	0.48	0.62	0.57	0.40	
V01	Pale Gray	19	40	41	19	0.53	0.51	0.41	0.49	0.46	0.33	
V02	Ninja Gray	12	8	80	14	0.73	0.69	0.51	0.68	0.62	0.42	
V18	Mossy Green	13	19	68	14	0.66	0.62	0.47	0.61	0.56	0.39	
V19	Harvest Wheat	15	18	67	17	0.67	0.64	0.48	0.62	0.57	0.40	

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.