Fabric Specification: SheerWeave 4100

SheerWeave 4100

Openness Factor:	±10%
UV Blockage:	±90%
Standard Roll Widths:	63”, 84”, & 98”
Composition:	25% Polyester / 75% Vinyl
Mesh/Inch:	36 Warp / 25 Fill
Mesh Weight:	17.50 oz./yd^2
Yarn Diameter (inch):	0.020 Warp / 0.020 Fill
Fabric Thickness (inch):	0.035
Breaking Strength (lbs):	315 Warp / 230 Fill
Stiffness (Mg):	600 Warp / 350 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

		Solar Optical Properties				Shading Coefficient with ----------Single----------		----------Insulating----------	
Style #	**Color**	**TS**	**RS**	**AS**	**TV**	**1/4 CL**	**1/4 HA**	**1 CL**	**1 HA**
P06	Chalk	18	66	16	15	0.34	0.32	0.32	0.25
P07	Alabaster	19	56	25	16	0.41	0.36	0.38	0.29
P10	Granite	15	42	43	14	0.49	0.40	0.29	0.23
Q12	Pebblestone	16	48	36	15	0.45	0.38	0.41	0.31
Q15	Greystone	14	35	51	14	0.53	0.42	0.48	0.34
Q16	Tobacco	10	5	85	11	0.70	0.51	0.45	0.32
V07	Pewter	12	26	62	14	0.58	0.45	0.53	0.37
V10	Ebony	10	4	86	11	0.71	0.52	0.64	0.43
V15	Ash	10	10	80	11	0.67	0.50	0.42	0.31

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

TS = Solar Transmittance
RS = Solar Reflectance
AS = Solar Absorptance
TV = Visual Transmittance

1/4 CL = 1/4" Clear Glass
1/4 HA = 1/4" Heat Absorbing 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.

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