



## Maui Solar Screen Fabric Product Specifications

**Benefits:** Maui solar screen fabric is woven in a basketweave pattern, and is available in wide widths. Each color is available in 2 densities, making Maui ideal for heat and glare control.

Specifications			
<b>Category</b>	Solar Screen Fabric		<b>Composition</b> 3%: 28% polyester, 72% vinyl on polyester
<b>Openness Factor</b>	3% and 5%		5%: 28% polyester, 72% vinyl on polyester
<b>Weave style</b>	Basket weave		
<b>UV Blockage</b>	3%	Approx. 97%	<b>Width</b> 126" ( 320 cm) ±27 mm
	5%	Approx. 95%	
<b>Weight</b>	3%	16.0 oz/yd <sup>2</sup> (542.49 g/m <sup>2</sup> )	<b>Thickness</b> 3%- 0.033" (0.84 mm) ±5%
	5%	15.4 oz/yd <sup>2</sup> (522.15 g/m <sup>2</sup> ) ±5%	5%- 0.029" (0.74 mm) ±5%
<b>Fire Classifications:</b>	5%- NFPA 101 California Technical Bulletin 117 (large scale) IBC Section 803.1.1 (Tested in accordance with ASTM G22) Class "A" rating CAN/ULC-S109 (large scale) and CFR 49V 571.302(FMVSS 302) 3%-NFPA 101 California Technical Bulletin 117 (Class "A" rating) IBC Section 803.1.1 (Tested in accordance with ASTM G22) Class "A" rating		
<b>Anti-Microbial Properties:</b>	ASTM E2180, ASTM G21, ASTM G22 AATCC30 Part 3, ASTM D 3273 GreenGuard Mold and Bacteria Standard ASTM 6329 Includes Microban antimicrobial additives		
<b>Certifications:</b>	GreenGuard Gold Melanoma International Foundation Seal of Approval		
<b>Environmental Benefits:</b>	RoHS/Directive 2002/95/EC- Lead Free US Consumer Product Safety Commission Section 101 ANSI/WCMA A 100.1-2007 for lead content REACH (EC 1907/2006) compliant		
<b>Acoustical Performance:</b>	N/A		
<b>Care &amp; Cleaning:</b>	Maui contains Microban antimicrobial protection; the following cleaning practices will not affect the products' ability to resist the growth of microorganisms, and are considered safe for routine cleaning. >Clean with mild soap and water. >Paint solvents will damage the vinyl surface of the fabric and should not be used.		

For complete technical information, current test results, performance specifications and larger samples, contact the Insolroll Marketing Dept.

<b>Fenestration Properties</b> (Solar Optical Properties)	Fabrics installed internally, Zero-degree profile
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**3% open colors**

Color	Ts	RS	AS	TV	SHGC*
White/Grey	9	51	40	7	0.11
Stucco	10	50	40	6	0.12
Chestnut	7	37	56	4	0.11
Mocha	4	22	74	3	0.11
Dark Bronze	3	5	92	3	0.12
Carbon	4	11	85	4	0.12
Black	3	4	93	3	0.12

**5% open colors**

White/Grey	12	54	34	12	0.15
Stucco	6	5	89	11	0.16
Chestnut	11	39	50	9	0.14
Mocha	8	22	70	9	0.16
Dark Bronze	8	5	87	11	0.18
Carbon	6	10	84	10	0.15
Black	7	3	90	10	0.17

**Glass Performance**

Glass Type: 1/4" Heat Absorbing glass

Appearance: Clear

Tv- 70

SHGC (G-value)- 0.87

**Definition of terms:**

<b>Ts</b> = Solar Transmittance	Energy that is allowed to pass through
<b>Rs</b> = Solar Reflectance	Energy that is reflected away
<b>As</b> = Solar Absorptance	Energy that is absorbed by the fabric
<b>Tv</b> = Visible Light Transmission	Percentage of visible light that comes into the room
<b>OF</b> = Openness Factor	Percentage of fabric that is open (between the threads)
<b>SHGC</b> = Solar Heat Gain Coefficient	The percentage of incident solar radiation that is transmitted as heat to the interior through the glass and shading system*.
<b>NRC</b> = Noise Reduction Coefficient	
<b>SAA</b> = Sound Absorption Average	
<b>CL</b> = Clear Glass	

\*Glass tested: 1HA= 1" Heat Absorbing glass.