



Orion Blackout Fabric

Product Specifications

Benefits: Orion blackout fabric's polyester plain weave design creates a lightly textured, smooth fabric that hangs beautifully. Soft acrylic foam backing makes the fabric opaque, making it perfect for room darkening and enhancing privacy.

Specifications:			
Category	Blackout Fabric	Composition	100% Polyester with Acrylic Coating
Openness Factor	0%; Opaque	Thickness	0.027" (0.74 mm)
UV Blockage	100%	Weight	12.39 oz/yd ² (420 g/m ²)
		Width	118" (280 cm)

Environmental Benefits:	PVC-Free Lead Free
Care & Cleaning:	Dust can be removed from the fabric by vacuum cleaning or soft duster. Light stains can be removed with a sponge and soapy water. Avoid using detergents, solvents as it may cause damage to the coating of the fabric.

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

Fenestration Properties:		Definition of terms:	
(Solar Optical Properties)			
Fabrics installed internally, Zero-degree profile			
Blackout Colors			
Color	Ts	RS	AS
All Colors	0	73	27
			TV
			0
			SHGC*
			0.22
		Ts = Solar Transmittance	Energy that is allowed to pass through
		Rs = Solar Reflectance	Energy that is reflected away
		As = Solar Absorptance	Energy that is absorbed by the fabric
		Tv = Visible Light Transmission	Percentage of visible light that comes into the room
		OF = Openness Factor	Percentage of fabric that is open (between the threads)
		SHGC = Solar Heat Gain Coefficient	The percentage of incident solar radiation that is transmitted as heat to the interior through the glass and shading system*
		CL = Clear Glass	
		*Glass tested: 1/4" Heat Absorbing. SHGC was calculated by multiplying SC (Shading Coefficient provided by mill) by 0.87.	
		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.	