

Laminated Glass with Saflex® S654400 interlayer
Optical, Solar, Thermal and Color Properties Datasheet

The configuration as described below was calculated in Optics and Window 5.2/6.3 using standard NFRC/ASHRAE

Configuration:				
3 mm (1/8 inch) clear				
~ Saflex® S654400 ; 0.38 mm (0.015 inch) ~				
3 mm (1/8 inch) clear				
Grey				
Optical (%) and Thermal Properties			SI	IP
Solar Transmittance %	47	U factor W/m2-K (Btu/hr-ft2-F)	5.73	1.01
Reflectance Solar (front)	5	Shading Coefficient	0.71	
Reflectance Solar (back)	6	Solar Heat Gain Coefficient (SHGC; g)	0.62	
Visible Light Transmittance %	42	Relative Heat Gain W/m2 (Btu/hr-ft2)	488	155
Visible Reflectance (front) %	5	GST Outboard -18°C (-0.4°F)	-10	13
Visible Reflectance (back) %	6	GST Inboard 21°C (69.8°F)	-9	17
Absorptance (Solar)	47	GST Outboard 32°C (89.6°F)	42	108
Tdw-K	0.17	GST Inboard 24°C (75.2°F)	43	109
Tdw-ISO	0.32	Light to Solar Gain (LSG)	0.68	
Tuv	<1%	Effective Aperture	30%=0.016	80%=0.379

Color Properties	Dom. WL	Purity	L*	a*	b*
Reflectance	0.47	5.10	71.03	-0.03	-4.65
Transmittance	0.47	4.63	27.57	0.14	-2.17
Color Rendering Index (Transmittance)	95				
R (Transmittance)	170				
G (Transmittance)	174				
B (Transmittance)	181				

Data reported in metric units with US standard units calculated.

For layering purposes this interlayer color may be referenced as Saflex® Interlayer Color #S654400.

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