

Laminated Glass with Saflex® S082800 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® S082800 ; 0.38 mm (0.015 inch) ~ 3 mm (1/8 inch) clear				
Medium Blue Grey				
Optical (%) and Thermal Properties			SI	IP
Solar Transmittance %	38	U factor W/m2-K (Btu/hr-ft2-F)	5.74	1.01
Reflectance Solar (front)	5	Shading Coefficient	0.64	
Reflectance Solar (back)	5	Solar Heat Gain Coefficient (SHGC; g)	0.56	
Visible Light Transmittance %	30	Relative Heat Gain W/m2 (Btu/hr-ft2)	444	141
Visible Reflectance (front) %	5	GST Outboard -18°C (-0.4°F)	-10	13
Visible Reflectance (back) %	5	GST Inboard 21°C (69.8°F)	-9	17
Absorptance (Solar)	57	GST Outboard 32°C (89.6°F)	45	113
Tdw-K	0.11	GST Inboard 24°C (75.2°F)	45	113
Tdw-ISO	0.22	Light to Solar Gain (LSG)	0.54	
Tuv	<1%	Effective Aperture	30%=0.014	80%=0.459

Color Properties	Dom. WL	Purity	L*	a*	b*
Reflectance	0.48	2.10	61.76	-1.60	-0.91
Transmittance	0.48	2.03	26.24	-0.29	-0.76
Color Rendering Index (Transmittance)	97				
R (Transmittance)	145				
G (Transmittance)	150				
B (Transmittance)	150				

Data reported in metric units with US standard units calculated.

For layering purposes this interlayer color may be referenced as Saflex® Interlayer Color #S082800.

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