

Laminated Glass with Saflex® S755800 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® S755800 ; 0.38 mm (0.015 inch) ~ 3 mm (1/8 inch) clear				
Solar Blue				
Optical (%) and Thermal Properties			SI	IP
Solar Transmittance %	58	U factor W/m2-K (Btu/hr-ft2-F)	5.72	1.01
Reflectance Solar (front)	6	Shading Coefficient	0.79	
Reflectance Solar (back)	6	Solar Heat Gain Coefficient (SHGC; g)	0.69	
Visible Light Transmittance %	54	Relative Heat Gain W/m2 (Btu/hr-ft2)	539	171
Visible Reflectance (front) %	6	GST Outboard -18°C (-0.4°F)	-10	13
Visible Reflectance (back) %	6	GST Inboard 21°C (69.8°F)	-9	17
Absorptance (Solar)	36	GST Outboard 32°C (89.6°F)	39	103
Tdw-K	0.25	GST Inboard 24°C (75.2°F)	40	103
Tdw-ISO	0.46	Light to Solar Gain (LSG)	0.78	
Tuv	<1%	Effective Aperture	30%=0.019	80%=0.288

Color Properties	Dom. WL	Purity	L*	a*	b*
Reflectance	0.48	17.90	78.96	-9.49	-13.60
Transmittance	0.47	11.14	30.21	-0.63	-5.12
Color Rendering Index (Transmittance)	85				
R (Transmittance)	161				
G (Transmittance)	202				
B (Transmittance)	219				

Data reported in metric units with US standard units calculated.

For layering purposes this interlayer color may be referenced as Saflex® Interlayer Color #S755800.

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7-Apr-15

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