

Laminated Glass with Saflex® S085500 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® S085500 ; 0.38 mm (0.015 inch) ~ 3 mm (1/8 inch) clear				
Light Blue Grey				
Optical (%) and Thermal Properties			SI	IP
Solar Transmittance %	51	U factor W/m2-K (Btu/hr-ft2-F)	5.75	1.01
Reflectance Solar (front)	6	Shading Coefficient	0.74	
Reflectance Solar (back)	6	Solar Heat Gain Coefficient (SHGC; g)	0.64	
Visible Light Transmittance %	52	Relative Heat Gain W/m2 (Btu/hr-ft2)	504	160
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)	43	GST Outboard 32°C (89.6°F)	41	106
Tdw-K	0.19	GST Inboard 24°C (75.2°F)	41	106
Tdw-ISO	0.38	Light to Solar Gain (LSG)	0.81	
Tuv	<1%	Effective Aperture	30%=0.019	80%=0.341

Color Properties	Dom. WL	Purity	L*	a*	b*
Reflectance	0.48	3.40	77.15	-2.98	-1.90
Transmittance	0.48	3.72	30.40	-0.53	-1.56
Color Rendering Index (Transmittance)	94				
R (Transmittance)	183				
G (Transmittance)	192				
B (Transmittance)	192				

Data reported in metric units with US standard units calculated.

For layering purposes this interlayer color may be referenced as Saflex® Interlayer Color #S085500.

Prepared by: J. Schimmelpenningh

7-Apr-15

Notice: Although the information and/or recommendations as may be set forth herein (hereafter "Information") are presented in good faith and believed to be correct at the date hereof, Eastman Chemical Company and its affiliates (hereinafter "Eastman") make no representations or warranties as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Eastman be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information or the product to which Information refers. Nothing contained herein is to be construed as a recommendation to use any product, process, equipment or formulation in conflict with any patent, and Eastman makes no representation or warranty, express or implied, that the use thereof will not infringe any patent. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.

The data presented is derived from samples tested. Results are not guaranteed for all samples or for conditions other than those tested. Data and its respective measured, calculated or estimated single number ratings is for glass panels only – glazing installed in frames may differ significantly in performance.