



## Architectural Technical Applications Center

### Laminated Glass with Vanceva #3457 interlayer

#### Optical, Solar, Thermal and Color Properties Datasheet

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

Configuration:				
1/8 inch (3 mm) Clear Glass - Vanceva #3457 ; 0.060 inch (1.52 mm) - 1/8 inch (3 mm) Clear Glass				
Caramel				
Optical (%) and Thermal Properties			US	SI
Solar Transmittance %	0.35	U factor Btu/hr-ft2-F (W/m2-K)	0.98	5.57
Reflectance Solar (front)	0.05	Shading Coefficient	0.62	0.62
Reflectance Solar (back)	0.05	Solar Heat Gain Coefficient (SHGC; g)	0.54	0.54
Visible Light Transmittance %	0.23	Relative Heat Gain Btu/hr-ft2 (W/m2)	137	432
Visible Reflectance (front) %	0.05	GST Outboard -0.4°F (-18°C)	13	-11
Visible Reflectance (back) %	0.05	GST Inboard 69.8°F (21°C)	18	-8
Absorptance (Solar)	0.60	GST Outboard 89.6°F (32°C)	114	45
Tdw-K	0.00	GST Inboard 75.2°F (24°C)	115	46
Tdw-ISO	0.06			
Tuv	<0.01			

Color Properties	Dom. WL	Purity	L*	a*	b*
Reflectance	0.60	4.08	25.93	2.35	1.07
Transmittance	0.59	89.60	53.36	30.90	67.82
Color Rendering Index (Transmittance)	28.51				
R (Transmittance)	195				
G (Transmittance)	104				
B (Transmittance)	0				

Data reported in US standard units with metric units in parentheses.

For layering purposes this interlayer color may be referenced as Vanceva® Color System #3457.

JCS052909.1

**Notice:** Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as to the date hereof, Solutia Inc. makes 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 Solutia Inc. be responsible for damages of any nature whatsoever resulting from the use 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 Solutia Inc. makes no representation or warranty, express or implied, that the use thereof will not infringe any patent. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OF IMPLIED, OR MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.



730 Worcester Street, Springfield, MA 01151  
413.730.3413 (T)  
508.861.0127 (F)  
JCSCHI@Solutia.com (E)

