


Pentaglas® 12mm – Translucent Single Panel System

	Pentaglas® 12mm SG, Single Panel System	UV Protection, Co-Extruded both sides	Nano-Cell, Honeycomb (3 cells structure)
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Colors, Solar & Thermal Performance Data:

Pentaglas® 12 Sample Description		Visible Light Optical Properties		Calorimeter test per NFRC/ASTM Calorimeter Standard		UV Trans.	Insulation 'U' Factor per NFRC-100
Color ID No.	Single Panel	LT %	Reflectance	SHGC	SC		
641	Clear	71	0.22	0.74	0.85	< 0.01	0.48
645	Ice White	66	0.30	0.65	0.75	< 0.01	0.48
644	White	38	0.50	0.42	0.48	< 0.01	0.48
646	Green	64	0.20	0.68	0.78	< 0.01	0.48
642	Bronze	57	0.17	0.64	0.74	< 0.01	0.48
667	Blue	60	0.20	0.67	0.77	< 0.01	0.48
678	Refl Grey	36	0.22	0.48	0.55	< 0.01	0.48
778	Dk Refl. Grey	20	0.33	0.31	0.36	< 0.01	0.48
653	Dense White	16	0.58	0.26	0.3	<0.01	0.48

Color tint variations affect the solar and thermal properties of the glazing. Color tints may be adjusted or customized to achieve other desired solar, optical, and solar heat gain coefficient performance results.

- 1) The visible optical properties were measured using a Licor visible light meter, and a blackened TRA box, under clear sky conditions, with the sun as the energy source, following the ASTM E 972-88 standard.
- 2) The Solar Heat Gain Coefficients/Shading Coefficients were calculated & based on tests measured using two side-by-sides, water-flow solar calorimeters.
- 3) The UV transmittance is measured using a blackened TRA box and the Epply UV Sun & Sky radiometer and the sun as the energy source.
- 4) The 'U' Factor of the glazing panel is tested per NFRC-100 procedures.
- 5) Data are for center of glass

For additional information, telephone CPI at (800) 759-6985