

Pentaglas® 16 – Solar and Thermal Performance data

 <p>16mm Danpalon Multicell Pentaglas® 16</p>	Pentaglas® 16mm SG, Single Panel System	UV Protection, Co-Extruded both sides	Nano-Cell, Square Cells (5 cells structure)
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Colors, Solar and Thermal Performance Data:

Pentaglas® 16 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		
461	Clear	58	0.22	0.54	0.62	< 0.01	0.38
465	Ice White	47	0.42	0.46	0.53	< 0.01	0.38
664	White	24	0.59	0.32	0.37	< 0.01	0.38
466	Green	41	0.23	0.49	0.56	< 0.01	0.38
462	Bronze	28	0.17	0.41	0.47	< 0.01	0.38
487	Blue	41	0.31	0.50	0.58	< 0.01	0.38
478	Refl. Grey	28	0.34	0.42	0.48	< 0.01	0.38

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 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