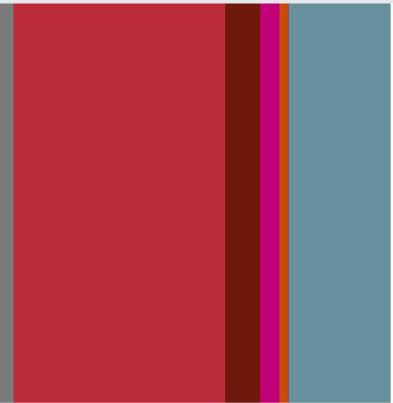


# DuPont™ Butacite®

PVB interlayers



## Heat and Light Control Characteristics – Butacite® PVB with Tinted Glass

Nominal Laminate Thickness (2 lites)	Clear Butacite® interlayer thickness	Glass Color	Visible Light Transmittance	Solar Transmittance	Shading Coefficient	Relative Laminate Instantaneous Heat Gain	
						BTU/hr/ft <sup>2</sup>	W/m <sup>2</sup>
1/4" (6 mm)	0.015" (0.38 mm)	Grey	60%	54%	0.75	165	521
	0.030" (0.76 mm)	Grey	61%	53%	0.75	165	521
	0.060" (1.52 mm)	Grey	60%	52%	0.74	163	514
1/4" (6 mm)	0.015" (0.38 mm)	Bronze	64%	54%	0.76	167	527
	0.030" (0.76 mm)	Bronze	64%	53%	0.75	165	521
	0.060" (1.52 mm)	Bronze	64%	53%	0.74	163	514
3/8" (10 mm)	0.015" (0.38 mm)	Grey	50%	45%	0.68	151	476
	0.030" (0.76 mm)	Grey	50%	44%	0.67	149	470
	0.060" (1.52 mm)	Grey	50%	43%	0.66	147	464
3/8" (10 mm)	0.015" (0.38 mm)	Bronze	56%	47%	0.70	155	489
	0.030" (0.76 mm)	Bronze	56%	46%	0.69	153	483
	0.060" (1.52 mm)	Bronze	56%	45%	0.68	151	476

All specimens consisted of two glass plies laminated with clear Butacite®, one clear and one colored glass ply with interlayer thickness tabulated. Glass source, type, color and thickness affect light transmission. Laminates prepared with commercial grey and bronze tint float glass. For close color matching, examine sample of desired construction.

1. Minimum and maximum thickness tolerances are defined by ASTM C 1172. Actual laminates measured were within 8% of total nominal thickness.
2. Nominal total visible light transmittance measured as CIE standard illuminate C. Actual values may vary.
3. Shading Coefficients (SC) and summer U-values based on ASHRAE standard summer conditions where outdoor temperature is 89°F, indoor temperature is 75°F, incident solar radiation is 248 BTU/hr/ft<sup>2</sup>, and outdoor wind velocity is 7.5 mph; calculated per guidelines in 1985 ASHRAE Fundamentals Handbook, Chapter 27.
4. Relative total instantaneous heat gain is: SC\*SHGF + U-value\* (To-Ti) Based on a Solar Heat Gain Factor (SHGF) of 200 BTU/hr/ft<sup>2</sup> and an outdoor temperature 14°F higher than indoor (To-Ti).