

## Solar Heat Gain Coefficients (SHGC) and Visible Transmittance

Size (Glass Thickness)	Type	Solar Heat Gain Coefficient (SHGC) <sup>1,2</sup>	Visible Transmittance (VT) <sup>1,2</sup>
<b>Single Glazing</b>			
1/8" (3 mm)	clear	0.86	0.90
1/4" (6 mm)	clear	0.81 - 0.83	0.89
1/4" (6 mm)	blue-green	0.62	0.75
1/8" (3 mm)	bronze	0.73	0.68
1/4" (6 mm)	bronze	0.62	0.55
1/8" (3 mm)	green	0.70	0.82 - 0.84
1/4" (6 mm)	green	0.58 - 0.60	0.74 - 0.76
1/8" (3 mm)	gray	0.68 - 0.70	0.62
1/4" (6 mm)	gray	0.56 - 0.62	0.44
<b>Double Glazing</b>			
1/8" (3 mm)	clear/clear	0.76	0.82
1/4" (6 mm)	clear/clear	0.71	0.78 - 0.80
1/4" (6 mm)	blue-green/clear	0.50	0.67
1/8" (3 mm)	bronze/clear	0.62	0.62
1/4" (6 mm)	bronze/clear	0.50	0.48
1/8" (3 mm)	green/clear	0.60	0.75
1/4" (6 mm)	green/clear	0.45	0.66
1/8" (3 mm)	gray/clear	0.59 - 0.62	0.56
1/4" (6 mm)	gray/clear	0.44 - 0.50	0.4
1/8" (3 mm)	High Performance Tint	0.32 - 0.39	0.61 - 0.69
1/4" (6 mm)	High Performance Tint	0.31 - 0.39	0.57 - 0.59
<b>Double Glazing w/low-e (0.20)</b>			
1/8" (3 mm)	clear/low-e	0.70	0.76
1/8" (3 mm)	low-e/clear	0.65	0.76
1/4" (6 mm)	clear/low-e	0.65	0.73
1/4" (6 mm)	low-e/clear	0.60	0.73
1/4" (6 mm)	blue-green/low-e	0.45	0.62
1/8" (3 mm)	bronze/low-e	0.57	0.58
1/4" (6 mm)	bronze/low-e	0.45	0.45
1/8" (3 mm)	green/low-e	0.55	0.70
1/4" (6 mm)	green/low-e	0.42 - 0.44	0.63
1/8" (3 mm)	gray/low-e	0.53	0.51
1/4" (6 mm)	gray/low-e	0.41	0.37
1/8" (3 mm)	High Performance Tint	0.45	0.64
1/4" (6 mm)	High Performance Tint	0.34	0.55
<b>Double Glazing w/low-e (0.10)</b>			
1/8" (3 mm)	clear/low-e	0.60 - 0.64	0.75 - 0.78
1/8" (3 mm)	low-e/clear	0.54 - 0.58	0.75 - 0.78
1/4" (6 mm)	clear/low-e	0.47 - 0.59	0.44 - 0.76
1/4" (6 mm)	low-e/clear	0.32 - 0.55	0.44 - 0.76
1/8" (3 mm)	bronze/low-e	0.48 - 0.51	0.57 - 0.59
1/4" (6 mm)	bronze/low-e	0.32 - 0.39	0.27 - 0.46
1/8" (3 mm)	green/low-e	0.49 - 0.51	0.68 - 0.72
1/4" (6 mm)	green/low-e	0.33 - 0.38	0.37 - 0.63
1/8" (3 mm)	gray/low-e	0.46 - 0.48	0.54
1/4" (6 mm)	gray/low-e	0.33 - 0.36	0.23 - 0.39
<b>Double Glazing w/low-e (0.05)</b>			
1/8" (3 mm)	low-e/clear	0.41	0.72
1/4" (6 mm)	low-e/clear	0.37	0.70
1/4" (6 mm)	bronze/low-e	0.26	0.42
1/4" (6 mm)	green/low-e	0.30	0.60
1/4" (6 mm)	gray/low-e	0.24	0.35
1/4" (6 mm)	blue-green/low-e	0.27	0.45
1/4" (6 mm)	High Perf. Tint/low-e	0.27	0.53

1. Manufacturing variation will yield tolerances of  $\pm 0.06$
2. See manufacturers' literature for specific optical properties