

# Solar Control Safety & Security Films

Heat, Glare and UV Control  
Anti-Fragmentation  
Window Films

<b>Optical and Solar Properties:</b>	<b>4 mil Silver 20</b>	<b>9 mil Silver 20</b>	<b>12 mil Silver 20</b>	<b>5 mil OptiTune22</b>	<b>5 mil Matte</b>	<b>12 mil Matte</b>
Visible Light Transmitted	19%	20%	18%	21%	58%	55%
Visible Light Reflected (interior)	61%	61%	62%	15%	-	-
Visible Light Reflected (exterior)	60%	57%	61%	32%	25%	28%
Ultra Violet Block	99%	99%	99%	99.9%	98%	99%
Total Solar Energy Reflected	53%	50%	53%	32%	20%	23%
Total Solar Energy Transmitted	14%	15%	13%	18%	55%	52%
Total Solar Energy Absorbed	33%	35%	34%	50%	25%	26%
Glare reduction	79%	78%	81%	77%	36%	38% <sup>o</sup>
Shading Coefficient	0.27	0.30	0.27	0.38	0.72	0.69
Solar Heat Gain Coeff. (G-value)	0.23	0.25	0.23	0.32	0.62	0.60
Winter U Value	0.99	1.08	1.06	1.03	1.07	1.07
Emissivity	0.74	0.91	0.88	0.32	0.90	0.90
Total Solar Energy Rejected	77%	75%	77%	68%	38%	40%
Item Number	R12122T	R24603T	R32122T	R144R2T	R14811	R32311C

  

<b>Optical and Solar Properties:</b>	<b>6 mil Cold Steel 35</b>	<b>10 mil Cold Steel 35</b>	<b>6 mil Cold Steel 50</b>	<b>10 mil Cold Steel 50</b>	<b>6 mil Cold Steel 70</b>
Visible Light Transmitted	40%	40%	52%	52%	62%
Visible Light Reflected (interior)	16%	17%	16%	16%	15%
Visible Light Reflected (exterior)	18%	17%	17%	16%	19%
Ultra Violet Block	99%	99%	99%	99%	99%
Total Solar Energy Reflected	19%	18%	19%	17%	16%
Total Solar Energy Transmitted	29%	30%	42%	43%	55%
Total Solar Energy Absorbed	52%	52%	40%	40%	28%
Glare reduction	56%	55%	42%	40%	31%
Shading Coefficient	0.52	0.53	0.62	0.64	0.74
Solar Heat Gain Coeff. (G-value)	0.44	0.46	0.53	0.55	0.64
Winter U Value	1.07	1.08	1.07	1.08	1.07
Emissivity	0.90	0.91	0.90	0.92	0.91
Total Solar Energy Rejected	56%	54%	47%	45%	36%
Item Number	R170L5T	R270L5T	R169L3T	R269L3T	R169X4T

SafetyZone solar control films also feature in the **Alpha Plus Safe** range of **Automotive Films**.

*Performance results are calculated on 3mm glass using NFRC methodology and LBNL Window 5.2 software, and are subject to variations in process conditions within industry standards and are only intended for estimating purposes*

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