



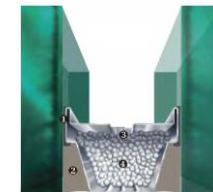
DUAL PANE INSULATING GLASS PERFORMANCE CHART

1 or 2 LoE Coatings - 3.0 mm Tinted Glass

2-Pane Units	Visible Light			SHGC	LSG	U-Factor (Btu/hr/ft ² /°F)		Indoor Glass Temp (°F)		UV Trans	Krochmann Function Tdw-K	Fading Function Tdw-ISO
	Trans.	Reflectance				Air	Argon	Winter	Summer			
	%	% Out	% In									
2-Pane Clear	82%	15%	15%	0.78	1.06	0.48	0.46	44	90	58%	61%	75%
Green/Clear	75%	13%	14%	0.60	1.25	0.48	0.46	44	94	34%	44%	63%
Bronze/Clear	61%	10%	13%	0.62	0.98	0.48	0.46	44	94	31%	37%	51%
Grey/Clear	53%	9%	13%	0.57	0.93	0.48	0.46	44	96	29%	35%	47%
Clear/Pyrolytic LOW E #3	75%	18%	17%	0.72	1.04	0.33	0.29	53	101	46%	51%	65%
LoE-180 #2/Clear	79%	15%	15%	0.64	1.23	0.31	0.26	55	87	29%	42%	63%
LoE-180 #2/LoE-i89 #4	77%	15%	14%	0.62	1.24	0.24	0.21	46	105	27%	40%	61%
Clear/LoE-180 #3	79%	15%	15%	0.68	1.16	0.31	0.26	55	94	29%	42%	63%
Green/LoE-180 #3	71%	13%	15%	0.50	1.42	0.31	0.26	55	92	16%	31%	53%
Bronze/LoE-180 #3	59%	10%	14%	0.53	1.11	0.31	0.26	55	93	17%	28%	44%
Grey/LoE-180 #3	53%	9%	14%	0.49	1.08	0.31	0.26	55	93	17%	27%	42%
LoE2-272 #2/Clear	72%	11%	12%	0.41	1.75	0.30	0.25	56	84	16%	33%	55%
LoE2-272 #2/LoE-i89 #4	70%	11%	11%	0.41	1.71	0.23	0.20	47	94	16%	32%	53%
Clear/LoE2-272 #3	72%	12%	11%	0.50	1.44	0.30	0.25	56	99	16%	33%	55%
Green/LoE2-272 #3	66%	10%	10%	0.42	1.57	0.30	0.25	56	97	11%	28%	48%
Bronze/LoE2-272 #3	54%	8%	10%	0.39	1.38	0.30	0.25	56	96	10%	39%	23%
Grey/LoE2-272 #3	50%	8%	9%	0.38	1.31	0.30	0.25	56	96	10%	38%	23%
LoE2-270 #2/Clear	70%	12%	13%	0.37	1.91	0.30	0.25	56	83	14%	31%	53%
LoE2-270 #2/LoE-i89 #4	69%	12%	12%	0.36	1.92	0.23	0.20	47	93	14%	31%	51%
Green/LoE2-270 #3	64%	11%	12%	0.39	1.64	0.30	0.25	56	97	10%	26%	46%
Bronze/LoE2-270 #3	52%	9%	11%	0.36	1.44	0.30	0.25	56	97	9%	22%	37%
Grey/LoE2-270 #3	48%	8%	11%	0.35	1.37	0.30	0.25	56	97	9%	22%	37%
LoE3-366/Clear	65%	11%	12%	0.27	2.41	0.29	0.24	56	82	5%	21%	43%
LoE3-366/LoE-i89 #4	63%	11%	11%	0.27	2.33	0.23	0.20	48	90	5%	20%	41%
Green/LoE3-366	59%	10%	10%	0.35	1.69	0.29	0.24	56	100	3%	18%	38%
Bronze/LoE3-366	48%	8%	10%	0.31	1.55	0.29	0.24	56	99	3%	14%	30%
Grey/LoE3-366	45%	8%	10%	0.29	1.55	0.29	0.24	56	98	3%	15%	30%
LoE2-240 #2/Clear	40%	14%	10%	0.25	1.60	0.30	0.26	55	86	16%	24%	35%
LoE2-240 #2/LoE-i89 #4	39%	14%	10%	0.24	1.63	0.24	0.21	47	95	15%	24%	34%

NOTES:

- (1) 2-Pane IG unit calculations based on 2 lites of 1/8" (3.0/3.1mm) glass and 1/2" (13.0mm) airspace.
- (2) Indoor Glass Temperatures are for the center portion of the glass.
- (3) Calculations for argon filled unit made with 90% Argon/ 10% air.
- (4) NFRC 100-2002 Environmental Conditions used for all values.
- (5) The Krochmann Damage Function is based on wavelengths from 300nm to 600nm.
- (6) The Fading Function Tdw-ISO is based on wavelengths from 300nm to 700nm.
- (7) SC = SHGC / 0.87
- (8) Values for Pyrolytic LOW E based on Pilkington Energy Advantage™ Low-E
- (9) LSG (light to solar gain) = VLT/SHGC





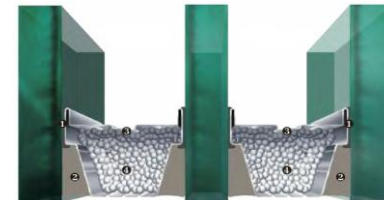
TRIPLE PANE INSULATING GLASS PERFORMANCE CHART

1 LoE Coating Surface #2 or #5 - 3.0 mm Tinted Glass

3-Pane Units	Visible Light			SHGC	LSG	U-Factor (Btu/hr/ft ² /°F)		Indoor Glass Temp (°F)		UV Trans	Krochmann Function Tdw-K	Fading Function Tdw-ISO
	Trans.	Reflectance				Air	Argon	Winter	Summer			
		%	% Out									
Clear/Clear/Clear	76%	21%	21%	0.70	1.08	0.31	0.29	54	92	49%	52%	67%
Green/Clear/Clear	69%	18%	20%	0.54	1.28	0.31	0.29	53	93	29%	39%	57%
Bronze/Clear/Clear	56%	13%	19%	0.55	1.02	0.31	0.29	53	94	26%	33%	46%
Grey/Clear/Clear	52%	12%	19%	0.54	0.96	0.31	0.29	53	94	27%	34%	59%
Clear/Clear/Pyrolytic LOW E #5	69%	23%	21%	0.65	1.06	0.23	0.21	58	101	38%	44%	52%
LoE®-180 #2/Clear/Clear	73%	21%	20%	0.59	1.24	0.22	0.19	59	91	24%	37%	57%
Clear/Clear/LoE®-180 #5	73%	20%	21%	0.61	1.20	0.21	0.18	59	94	24%	37%	57%
Green/Clear/LoE®-180 #5	65%	17%	20%	0.45	1.44	0.21	0.18	59	91	14%	28%	48%
Bronze/Clear/LoE®-180 #5	54%	13%	20%	0.48	1.13	0.21	0.18	59	93	15%	25%	40%
Grey/Clear/LoE®-180 #5	48%	12%	20%	0.44	1.09	0.21	0.18	59	93	14%	25%	38%
LoE2®-272 #2/Clear/Clear	66%	15%	18%	0.38	1.74	0.22	0.19	59	85	14%	30%	50%
Clear/Clear/LoE2®-272 #5	66%	18%	15%	0.47	1.40	0.21	0.18	59	99	14%	30%	50%
Green/Clear/LoE2®-272 #5	60%	16%	15%	0.39	1.54	0.21	0.18	59	96	10%	25%	44%
Bronze/Clear/LoE2®-272 #5	49%	12%	14%	0.36	1.36	0.21	0.18	59	97	9%	21%	35%
Grey/Clear/LoE2®-272 #5	45%	11%	14%	0.35	1.29	0.21	0.18	59	96	9%	21%	35%
LoE2®-270 #2/Clear/Clear	65%	16%	19%	0.34	1.91	0.22	0.19	59	84	13%	29%	48%
Green/Clear/LoE2®-270 #5	59%	16%	16%	0.37	1.59	0.21	0.17	60	97	8%	24%	42%
Bronze/Clear/LoE2®-270 #5	48%	12%	15%	0.34	1.41	0.21	0.17	60	97	8%	19%	34%
Grey/Clear/LoE2®-270 #5	44%	11%	15%	0.32	1.38	0.21	0.17	60	97	8%	20%	33%
LoE3®-366 #2/Clear/Clear	59%	14%	18%	0.25	2.36	0.21	0.18	60	82	4%	18%	39%
Green/Clear/LoE3®-366 #5	54%	15%	14%	0.33	1.64	0.20	0.17	60	100	3%	16%	35%
Bronze/Clear/LoE3®-366 #5	44%	12%	14%	0.29	1.52	0.20	0.17	60	99	3%	13%	28%
Grey/Clear/LoE3®-366 #5	41%	11%	13%	0.28	1.46	0.20	0.17	60	99	3%	13%	27%
LoE2®-240 #2/Clear/Clear	37%	16%	17%	0.23	1.61	0.22	0.19	59	85	14%	22%	32%

NOTES:

- (1) 3-Pane IG unit calculations based on 3 lites of 1/8" (3.0/3.1mm) glass and two 1/2" (13.0mm) airspaces.
- (2) Indoor Glass Temperatures are for the center portion of the glass.
- (3) Calculations for argon filled unit made with 90% Argon/ 10% air.
- (4) NFRC 100-2002 Environmental Conditions used for all values.
- (5) The Krochmann Damage Function is based on wavelengths from 300nm to 600nm.
- (6) The Fading Function Tdw-ISO is based on wavelengths from 300nm to 700nm.
- (7) SC = SHGC / 0.87
- (8) Values for Pyrolytic LOW E based on Pilkington Energy Advantage™ Low-E
- (9) LSG (light to solar gain) = VLT/SHGC





TRIPLE PANE INSULATING GLASS PERFORMANCE CHART

2 LoE Coatings Surface #2 and #5 - 3.0 mm Tinted Glass

3-Pane Units	Visible Light			SHGC	LSG	U-Factor (Btu/hr/ft ² /°F)		Indoor Glass Temp (°F)		UV Trans	Krochmann Function Tdw-K	Fading Function Tdw-ISO
	Trans.	Reflectance				Air	Argon	Winter	Summer			
		%	% Out									
Pyrolytic LOW E #2/Clear/LOW E #5	63%	23%	23%	0.57	1.11	0.19	0.16	61	91	31%	38%	52%
LoE-180 #2/Clear/LoE-180 #5	70%	20%	20%	0.56	1.25	0.16	0.13	62	94	13%	29%	50%
LoE-180 #2/LoE-180 #4/LoE-i89 #6 (10)	68%	21%	19%	0.53	1.28	0.14	0.12	56	111	13%	28%	49%
LoE2°-272 #2/Clear/LoE°-180 #5	63%	15%	18%	0.37	1.70	0.16	0.13	62	87	8%	24%	44%
LoE2°-272 #2/LoE°-180 #4/LoE-i89 #6	62%	15%	16%	0.36	1.72	0.14	0.11	56	97	8%	23%	43%
LoE2°-272 #2/Clear/LoE2°-272 #5	58%	13%	13%	0.35	1.66	0.16	0.13	63	93	6%	21%	40%
LoE2°-272 #2/LoE2°-272 #4/LoE-i89 #6 (10)	56%	12%	13%	0.32	1.75	0.14	0.11	56	103	5%	21%	39%
LoE2°-270 #2/Clear/LoE°-180 #5	62%	16%	19%	0.33	1.88	0.16	0.13	62	85	7%	23%	43%
LoE2°-270 #2/LoE°-180 #4/LoE-i89 #6	60%	16%	17%	0.32	1.88	0.14	0.11	56	94	7%	22%	42%
LoE2°-270 #2/Clear/LoE2°-270 #5	55%	15%	15%	0.31	1.77	0.16	0.12	63	92	4%	19%	37%
LoE2°-270 #2/LoE2°-270 #4/LoE-i89 #6 (10)	53%	14%	15%	0.28	1.89	0.13	0.11	56	100	4%	19%	36%
LoE3°-366 #2/Clear/LoE°-180 #5	57%	14%	18%	0.24	2.38	0.16	0.13	62	83	2%	16%	36%
LoE3°-366 #2//LoE°-180 #4/LoE-i89 #6	56%	14%	16%	0.24	2.33	0.14	0.11	56	89	2%	16%	35%
LoE3°-366 #2/Clear/LoE2°-272 #5	52%	13%	13%	0.25	2.08	0.16	0.12	62	87	2%	14%	32%
LoE3°-366 #2/LoE2°-272 #4/LoE-i89 #6 (10)	50%	12%	13%	0.23	2.17	0.13	0.11	57	94	2%	14%	31%
LoE3°-366 #2/Clear/LoE2°-270 #5	50%	13%	14%	0.24	2.08	0.16	0.12	63	88	1%	14%	31%
LoE3°-366 #2/LoE2°-270 #4/LoE-i89 #6 (10)	49%	13%	14%	0.22	2.23	0.13	0.11	57	95	1%	13%	30%
LoE3°-366 #2/Clear/LoE3°-366 #5	47%	13%	13%	0.24	1.96	0.15	0.12	63	91	1%	11%	27%
LoE3°-366 #2/LoE3°-366 #4/LoE-i89 #6 (10)	45%	12%	13%	0.20	2.25	0.13	0.10	57	97	<1%	11%	26%
LoE2°-240 #2/Clear/LoE°-180 #5	35%	16%	17%	0.22	1.59	0.16	0.13	62	85	7%	16%	28%
LoE2°-240 #2//LoE°-180 #4/LoE-i89 #6 (10)	34%	16%	15%	0.21	1.62	0.14	0.11	56	93	7%	16%	27%
LoE2°-240 #2/Clear/LoE2°-272 #5	32%	15%	12%	0.21	1.52	0.16	0.13	62	88	4%	14%	25%
LoE2°-240 #2/Clear/LoE2°-270 #5	32%	15%	12%	0.21	1.52	0.16	0.13	62	88	4%	14%	25%
LoE2°-240 #2/Clear/LoE3°-366 #5	29%	15%	12%	0.18	1.61	0.16	0.12	63	91	1%	9%	20%

NOTES:

- (1) 3-Pane IG unit calculations based on 3 lites of 1/8" (3.0/3.1mm) glass and two 1/2" (13.0mm) airspace.
- (2) Indoor Glass Temperatures are for the center portion of the glass.
- (3) Calculations for argon filled unit made with 90% Argon/ 10% air.
- (4) NFRC 100-2002 Environmental Conditions used for all values.
- (5) The Krochmann Damage Function is based on wavelengths from 300nm to 600nm.
- (6) The Fading Function Tdw-ISO is based on wavelengths from 300nm to 700nm.
- (7) SC = SHGC / 0.87
- (8) Values for Pyrolytic LOW E based on Pilkington Energy Advantage™ Low-E
- (9) LSG (light to solar gain) = VLT/SHGC
- (10) Center lite (pane) must be heat treated (heat strengthened or tempered) due to high thermal stress breakage potential.

