

PRODUCTS TECHNOLOGY QUALITY CLIMATE CHANGE COMPANY

LoE Performance Stats

IG Type and Coating	Visible Light			Fade Transmission			Solar Heat	U-Factor		
	TRANS.	EXTERNAL REFLECTANCE	INTERNAL REFLECTANCE	UV	K	ISO	HEAT GAIN COEFFICIENT	GAS	IP	SI
SINGLE PANE										
Clear	90%	8%	8%	0.71	0.73	0.84	0.86	---	1.04	5.91
Tint	68%	7%	7%	0.38	0.44	0.58	0.73	---	1.04	5.91
3/4" DOUBLE PANE										
Clear / Clear	81%	15%	15%	0.56	0.60	0.74	0.76	Air	0.48	2.73
Tint / Clear	61%	10%	14%	0.32	0.38	0.52	0.63	Air	0.48	2.72
Clear / Pyro Low-E (#3)	76%	17%	17%	0.48	0.52	0.66	0.71	Argon	0.35	2.00
LoE ² -240 (#2) / Clear	40%	14%	10%	0.16	0.24	0.35	0.25	Argon	0.30	1.72
								Argon	0.26	1.46
3/4" DOUBLE PANE										
Clear / LoE-180 (#3)	79%	15%	15%	0.29	0.42	0.63	0.69	Air	0.31	1.74
								Argon	0.26	1.48
LoE ² -272 (#2) / Clear	72%	11%	12%	0.16	0.33	0.55	0.41	Air	0.30	1.69
								Argon	0.25	1.42
LoE ² -270 (#2) / Clear	70%	12%	13%	0.14	0.31	0.53	0.37	Air	0.30	1.68
								Argon	0.25	1.41
LoE ³ -366 (#2) / Clear	65%	11%	12%	0.05	0.21	0.43	0.27	Air	0.29	1.65
								Argon	0.24	1.38
LoE-180 (#2) / i81 (#4)	71%	22%	22%	0.27	0.38	0.56	0.59	Air	0.24	1.37
								Argon	0.21	1.19
LoE ² -272 (#2) / i81 (#4)	64%	16%	20%	0.15	0.30	0.48	0.38	Air	0.23	1.33
								Argon	0.20	1.15
LoE ² -270 (#2) / i81 (#4)	63%	17%	21%	0.14	0.28	0.46	0.34	Air	0.23	1.32
								Argon	0.20	1.14
LoE ³ -366 (#2) / i81 (#4)	58%	15%	20%	0.05	0.18	0.37	0.25	Air	0.23	1.30
								Argon	0.20	1.11
1" TRIPLE PANE										
LoE-180 (#2) / Clear / LoE-180 (#5)	70%	20%	20%	0.13	0.29	0.50	0.56	Air	0.22	1.27
								Argon	0.18	0.99
LoE ² -272 (#2) / Clear / LoE-180 (#5)	63%	15%	18%	0.08	0.24	0.44	0.37	Air	0.22	1.25
								Argon	0.17	0.98
LoE ² -270 (#2) / Clear / LoE-180 (#5)	62%	16%	19%	0.07	0.23	0.43	0.33	Air	0.22	1.25
								Argon	0.17	0.97
LoE ³ -366 (#2) / Clear / LoE-180 (#5)	57%	14%	18%	0.02	0.16	0.36	0.25	Air	0.22	1.24
								Argon	0.17	0.96
LoE-180 (#2) / LoE-180 (#4) / i81 (#6)	63%	26%	26%	0.12	0.26	0.45	0.50	Air	0.19	1.06
								Argon	0.15	0.86
LoE ² -272 (#2) / LoE-180 (#4) / i81 (#6)	57%	20%	25%	0.07	0.22	0.39	0.34	Air	0.19	1.05
								Argon	0.15	0.84
LoE ² -270 (#2) / LoE-180 (#4) / i81 (#6)	56%	21%	25%	0.07	0.21	0.38	0.30	Air	0.18	1.05
								Argon	0.15	0.84

LoE ³ -366 (#2) / LoE-180 (#4) / i81 (#6)	51%	18%	25%	0.02	0.14	0.31	0.22	Air	0.18	1.04
								Argon	0.15	0.83
1-1/8" TRIPLE PANE	TRANS.	EXTERNAL REFLECTANCE	INTERNAL REFLECTANCE	UV	K	ISO	HEAT GAIN COEFFICIENT	GAS	U FACTOR IP	U FACTOR SI
LoE-180 (#2) / Clear / LoE-180 (#5)	70%	20%	20%	0.13	0.29	0.50	0.56	Air	0.19	1.10
								Argon	0.15	0.87
LoE ² -272 (#2) / Clear / LoE-180 (#5)	63%	15%	18%	0.08	0.24	0.44	0.37	Air	0.19	1.09
								Argon	0.15	0.85
LoE ² -270 (#2) / Clear / LoE-180 (#5)	62%	16%	19%	0.07	0.23	0.43	0.33	Air	0.19	1.08
								Argon	0.15	0.84
LoE ³ -366 (#2) / Clear / LoE-180 (#5)	57%	14%	18%	0.02	0.16	0.36	0.25	Air	0.19	1.07
								Argon	0.15	0.83
LoE-180 (#2) / LoE-180 (#4) / i81 (#6)	63%	26%	26%	0.12	0.26	0.45	0.50	Air	0.17	0.94
								Argon	0.13	0.76
LoE ² -272 (#2) / LoE-180 (#4) / i81 (#6)	57%	20%	25%	0.07	0.22	0.39	0.34	Air	0.16	0.93
								Argon	0.13	0.74
LoE ² -270 (#2) / LoE-180 (#4) / i81 (#6)	56%	21%	25%	0.07	0.21	0.38	0.30	Air	0.16	0.93
								Argon	0.13	0.74
LoE ³ -366 (#2) / LoE-180 (#4) / i81 (#6)	51%	18%	25%	0.02	0.14	0.31	0.22	Air	0.16	0.92
								Argon	0.13	0.73
1-3/8" TRIPLE PANE	TRANS.	EXTERNAL REFLECTANCE	INTERNAL REFLECTANCE	UV	K	ISO	HEAT GAIN COEFFICIENT	GAS	U FACTOR IP	U FACTOR SI
LoE-180 (#2) / Clear / LoE-180 (#5)	70%	20%	20%	0.13	0.29	0.50	0.56	Air	0.17	0.94
								Argon	0.13	0.75
LoE ² -272 (#2) / Clear / LoE-180 (#5)	63%	15%	18%	0.08	0.24	0.44	0.37	Air	0.16	0.92
								Argon	0.13	0.73
LoE ² -270 (#2) / Clear / LoE-180 (#5)	62%	16%	19%	0.07	0.23	0.43	0.33	Air	0.16	0.92
								Argon	0.13	0.73
LoE ³ -366 (#2) / Clear / LoE-180 (#5)	57%	14%	18%	0.02	0.16	0.36	0.24	Air	0.16	0.91
								Argon	0.13	0.72
LoE-180 (#2) / LoE-180 (#4) / i81 (#6)	63%	26%	26%	0.12	0.26	0.45	0.51	Air	0.14	0.81
								Argon	0.12	0.66
LoE ² -272 (#2) / LoE-180 (#4) / i81 (#6)	57%	20%	25%	0.07	0.22	0.39	0.34	Air	0.14	0.79
								Argon	0.11	0.64
LoE ² -270 (#2) / LoE-180 (#4) / i81 (#6)	56%	21%	25%	0.07	0.21	0.38	0.30	Air	0.14	0.79
								Argon	0.11	0.64
LoE ³ -366 (#2) / LoE-180 (#4) / i81 (#6)	51%	18%	25%	0.02	0.14	0.31	0.22	Air	0.14	0.78
								Argon	0.11	0.63

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