


**SINGLE CLEAR GLASS**



	SHADING COEFFICIENT	VISIBLE LIGHT REFLECTED	TRANSMISSION	EMISSION	U VALUE	HEAT GAIN REDUCTION	HEAT LOSS	GLARE	UV BLOCKED	SOLAR ENERGY
<b>1/4 INCH CLEAR</b>										
REFERENCE	0.94	8%	88%	1.06	NA	NA	NA	NA	NA	18%
CS 5	0.48	5%	7%	0.84	NA	49%	NA	91%	99%	58%
CS 20	0.55	5%	16%	0.84	NA	41%	NA	83%	99%	52%
CS 35	0.70	6%	38%	0.84	NA	25%	NA	56%	98%	39%
CS 50	0.77	7%	51%	0.84	NA	18%	NA	42%	98%	33%
LE 20SIAR	0.25	53%	17%	0.45	0.82	73%	23%	81%	98%	78%
LE 35AMARL	0.29	56%	31%	0.34	0.74	69%	30%	65%	99%	75%
P-18ARL	0.26	58%	19%	0.65	0.95	72%	10%	78%	99%	77%
RE15SIXL	0.20	63%	16%	0.84	1.06	79%	0%	83%	99%	83%
NV 15	0.29	19%	15%	0.70	1.04	69%	2%	83%	99%	75%
NV 25	0.39	13%	24%	0.72	1.05	59%	1%	72%	99%	66%
NV 35	0.49	12%	35%	0.74	1.06	49%	0%	60%	99%	45%
NV 45	0.63	8%	45%	0.78	1.06	34%	0%	49%	99%	45%
RE 50NIARL	0.49	23%	48%	0.60	0.95	48%	11%	45%	99%	57%
RE 65NIARL	0.63	15%	61%	0.74	1.01	33%	5%	31%	99%	45%
RE 20NEARL	0.39	17%	16%	0.84	1.06	59%	0%	82%	99%	66%
RE 35NEAR	0.51	20%	37%	0.84	1.06	45%	0%	58%	99%	56%
RE 50NEARL	0.66	15%	51%	0.68	1.06	30%	0%	42%	98%	43%
RE 70NEARL	0.76	9%	66%	0.87	1.08	19%	0%	25%	98%	34%
RE 35AMARL	0.30	55%	30%	0.68	0.95	68%	10%	66%	99%	74%
RE 35BRARL	0.59	9%	35%	0.84	1.06	37%	0%	60%	99%	49%
RE 35SIARL	0.40	42%	33%	0.68	0.97	57%	8%	63%	98%	65%
S25 NVAR400	0.54	28%-interior 13%	24%	0.72	0.82	54%	1%	72%	99%	64%
S20SIAR 400	0.26	58%	19%	0.65	0.95	72%	10%	78%	99%	77%
S35NEAR 400	0.51	20%	37%	0.84	1.06	45%	0%	58%	99%	56%
S50NEAR 400	0.66	15%	51%	0.84	1.06	30%	0%	42%	98%	43%
SCLARL 150	0.92	11%	87%	0.87	1.09	2%	0%	1%	98%	NA
SCLARL 400	0.91	11%	86%	0.87	1.09	3%	0%	2%	98%	NA
SCLARL 600	0.90	10%	84%	0.89	1.10	6%	0%	2%	99%	NA

	SHADING COEFFICIENT	VISIBLE LIGHT REFLECTED	TRANSMIT TED	EMISSIVI TY	U VALUE	GAIN REDUCTI ON	HEAT LOSS	GLARE	UV BLOCKE D	SOLAR ENERGY REJECT
1/4 INCH TINTED GLASS	0.69	5%	50%	0.84	\$ 1.06	NA	NA	NA	81%	40%
CS 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CS 20	0.50	4%	10%	0.84	1.06	34%	0%	80%	99%	57%
CS 35	0.59	5%	22%	0.84	1.06	22%	0%	56%	99%	49%
CS 50	0.63	5%	30%	0.84	1.06	17%	0%	41%	99%	45%
LE 20SIAR	0.27	22%	10%	0.45	0.82	61%	23%	80%	99%	77%
LE 35AMARL	0.30	18%	19%	0.34	0.74	57%	30%	62%	99%	74%
P-18ARL	0.30	20%	10%	0.65	0.95	57%	10%	80%	99%	74%
RE15SIXL	0.16	62%	8%	0.84	1.06	77%	0%	84%	99%	86%
NV 15	0.33	19%	9%	0.70	1.04	52%	2%	82%	99%	71%
NV 25	0.38	13%	14%	0.72	1.05	48%	1%	72%	99%	67%
NV 35	0.44	11%	21%	0.74	1.06	40%	0%	58%	99%	62%
NV 45	0.52	7%	27%	0.74	1.06	29%	0%	45%	99%	55%
RE 50NIARL	0.42	10%	27%	0.60	0.95	39%	11%	45%	99%	63%
RE 65NIARL	0.52	7%	34%	0.74	1.01	28%	5%	31%	99%	56%
RE 20NEARL	0.37	8%	9%	0.84	1.06	46%	0%	82%	99%	68%
RE 35NEARL	0.45	9%	22%	0.84	1.06	35%	0%	56%	99%	61%
RE 50NEARL	0.84	6%	25%	0.84	1.06	30%	0%	50%	99%	58%
RE 70NEARL	0.61	6%	41%	0.87	1.08	12%	0%	18%	99%	47%
RE 35AMARL	0.33	22%	18%	0.68	0.95	52%	10%	64%	99%	71%
RE 35BRARL	0.49	6%	21%	0.84	1.06	29%	0%	58%	99%	57%
RE 35SIARL	0.38	16%	18%	0.68	0.97	45%	0%	64%	98%	67%
S20SIAR 400	0.30	20%	10%	0.65	0.95	57%	10%	80%	99%	74%
S25NVAR400	0.43	13% ex-13% int	15%	0.72	0.82	38%	1%	70%	99%	66%
S35NEAR 400	0.45	9%	22%	0.84	0.50	35%	0%	56%	99%	61%
S50NEAR 400	0.48	6%	25%	0.84	1.06	30%	0%	50%	99%	58%
SCLARL 150	0.68	7%	49%	0.87	1.09	1%	0%	2%	99%	NA
SCLARL 400	0.68	6%	48%	0.87	1.09	1%	0%	4%	99%	NA
ULTRA 600	0.68	6%	47%	0.89	1.10	1%	0%	6%	99%	NA

**DOUBLE CLEAR GLASS**

	SHADING COEFFICIENT	VISIBLE LIGHT REFLECTED	TRANSMIT TED	EMISSIVITY VALUE	HEAT GAIN U REDUCTION	HEAT LOSS	GLARE	UV BLOCKED	TOTAL SOLAR ENERGY REJECTED	
CLEAR										
REFERENCE	0.81	14%	78%	0.84	0.51	NA	NA	NA	30%	
CS 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
CS 20	0.65	13%	14%	0.84	0.50	19%	0%	82%	99%	45%
CS 35	0.71	13%	34%	0.84	0.50	11%	0%	57%	99%	38%
CS 50	0.73	14%	46%	0.84	0.50	9%	0%	42%	99%	37%
LE 20SIAR	0.36	51%	16%	0.45	0.43	56%	14%	79%	98%	69%
LE 35AMARL	0.35	54%	29%	0.34	0.40	57%	20%	63%	99%	70%
P-18ARL	0.34	55%	17%	0.65	0.47	58%	6%	78%	99%	70%
RE 15SIXL	0.15	63%	15%	0.84	0.50	81%	0%	81%	99%	87%
NV 15	0.43	20%	14%	0.70	0.47	48%	6%	82%	99%	63%
NV25	0.50	13%	22%	0.72	0.47	38%	6%	71%	99%	57%
NV 35	0.58	13%	31%	0.74	0.47	28%	6%	60%	99%	50%
NV45	0.67	9%	49%	0.78	0.48	17%	6%	48%	99%	42%
RE 50NIARL	0.54	27%	55%	0.74	0.49	23%	2%	30%	99%	46%
RE 65NIARL	0.62	20%	55%	0.74	0.49	23%	2%	30%	99%	46%
RE 20NEARL	0.56	21%	14%	0.84	0.50	31%	0%	82%	99%	51%
RE 35NEARL	0.58	24%	33%	0.84	0.50	28%	0%	58%	99%	50%
RE 50NEARL	0.65	20%	45%	0.84	0.50	20%	0%	42%	99%	43%
RE 70NEARL	0.73	15%	59%	0.87	0.50	10%	0%	24%	98%	37%
RE 35AMARL	0.37	53%	28%	0.68	0.47	54%	6%	64%	99%	68%
RE 35BRARL	0.65	15%	31%	0.84	0.50	20%	0%	60%	99%	43%
RE 35SIARL	0.45	45%	30%	0.68	0.47	44%	6%	62%	98%	61%
S20SIAR 400	0.34	55%	17%	0.65	0.47	58%	6%	78%	99%	70%
S25NVAR 400	0.50	28% ex-13%int	23%	0.72	0.42	38%	5%	71%	99%	56%
S35NEAR 400	0.58	24%	33%	0.84	0.50	28%	0%	58%	99%	50%
S50NEAR 400	0.65	20%	45%	0.84	0.50	20%	0%	42%	99%	43%
SCLARL 150	0.78	17%	77%	0.87	0.50	4%	0%	1%	99%	NA
SCLARL 400	0.79	18%	75%	0.87	0.50	2%	0%	0%	99%	NA
ULTRA 600	0.79	18%	73%	0.89	0.50	2%	0%	6%	99%	NA

DOUBLE TINTED GLASS										
	SHADING COEFFICIENT	VISIBLE LIGHT REFLECTED	TRANSMITTED	EMISSIVITY	U VALUE	GAIN REDUCTION	HEAT LOSS	GLARE	UV BLOCKED	SOLAR ENERGY REJECT
TINTED										
GLASS	0.55	8%	45%	0.84	0.50	NA	NA	NA	NA	52%
CS 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CS 20	0.51	6%	8%	0.84	NA	16%	0%	82%	99%	56%
CS 35	0.54	7%	19%	0.84	NA	11%	0%	57%	99%	53%
CS50	0.56	7%	26%	NA	NA	8%	0%	42%	99%	51%
LE 20SIAR	0.29	21%	9%	0.45	0.43	47%	14%	80%	99%	75%
LE 35AMARL	0.28	22%	17%	0.34	0.40	49%	20%	62%	99%	76%
P-18ARL	0.28	20%	9%	0.65	0.47	49%	6%	80%	99%	76%
RE 15SIXL	0.10	62%	7%	0.84	0.50	82%	0%	84%	99%	91%
NV 15	0.33	20%	9%	0.70	0.47	40%	6%	80%	99%	71%
NV 25	0.37	13%	13%	0.72	0.47	32%	6%	71%	99%	67%
NV 35	0.42	13%	19%	0.74	0.47	24%	6%	59%	99%	63%
NV45	0.48	9%	24%	0.78	0.48	13%	6%	47%	99%	58%
RE 50NIARL	0.40	9%	24%	0.60	0.47	29%	6%	44%	99%	65%
RE 65NIARL	0.45	7%	30%	0.74	0.49	20%	2%	30%	99%	61%
RE 20NEARL	0.41	11%	9%	0.84	0.50	25%	0%	80%	99%	64%
RE 35NEARL	0.43	10%	19%	0.84	0.50	22%	0%	58%	99%	63%
RE 50NEARL	0.48	9%	28%	0.84	0.50	13%	0%	38%	99%	58%
RE 70NEARL	0.52	8%	36%	0.87	0.50	5%	0%	20%	99%	55%
RE 35AMARL	0.30	22%	17%	0.68	0.47	45%	6%	62%	99%	74%
RE 35BRARL	0.45	7%	18%	0.84	0.50	18%	0%	60%	99%	61%
RE 35SIARL	0.34	18%	18%	0.68	0.47	38%	6%	60%	98%	70%
S20SIAR 400	0.28	20%	9%	0.65	0.47	49%	6%	80%	99%	76%
S25NVAR 40C	0.39	15% ext-13% int	14%	0.72	0.42	29%	5%	69%	99%	66%
S35NEAR 40C	0.43	10%	19%	0.84	0.50	22%	0%	58%	99%	63%
S50NEAR 40C	0.48	9%	28%	0.84	0.50	13%	0%	38%	99%	58%
SCLARL 150	0.53	8%	47%	0.87	0.50	4%	0%	2%	99%	NA
SCLARL 400	0.55	8%	42%	0.87	0.50	0%	0%	7%	99%	NA
ULTRA 600	0.55	8%	41%	0.89	0.50	0%	0%	8%	99%	NA

**3M** Innovation