



## Low-E IGU Performance Data

Date: Feb. 21. 2013

Type	Product	Silver layer	Glass Color	Reflective Color	Visible light(%)			Solar Heat(%)		U-value(W/m <sup>2</sup> .K)				U-Value (BTU/H.ft <sup>2</sup> .F)				Shading Coefficient	Solar heat gain Coefficient	RHG (W/m <sup>2</sup> )
					Trans.	Reflect		Trans.	Reflect	Winter		Summer		Winter		Summer				
						outdoor	indoor			Air	Argon	Air	Argon	Air	Argon	Air	Argon			
1	3.2 (IGLBTE48-30G) +6A +3.2C	Single	Clear	Light Blue	43.74	31.56	14.19	29.87	36.56	2.46	2.01	2.5	2.08	0.43	0.35	0.44	0.37	0.4	0.35	270
	3.2 (IGLBTE48-30G) +9A +3.2C	Single	Clear	Light Blue	43.74	31.56	14.19	29.87	36.56	2	1.62	2.06	1.69	0.35	0.29	0.36	0.3	0.4	0.35	263
	3.2 (IGLBTE48-30G) +12A +3.2C	Single	Clear	Light Blue	43.74	31.56	14.19	29.87	36.56	1.8	1.5	1.78	1.47	0.32	0.26	0.31	0.26	0.39	0.34	259
	3.2 (IGLBTE48-30G) +15A +3.2C	Single	Clear	Light Blue	43.74	31.56	14.19	29.87	36.56	1.82	1.55	1.6	1.32	0.32	0.27	0.28	0.23	0.39	0.34	256
	4 (IGLBTE48-30G) +6A +4C	Single	Clear	Light Blue	43.03	30.77	13.59	28.24	34.49	2.46	2	2.49	2.07	0.43	0.35	0.44	0.36	0.4	0.35	267
	4 (IGLBTE48-30G) +9A +4C	Single	Clear	Light Blue	43.03	30.77	13.59	28.24	34.49	2	1.62	2.06	1.69	0.35	0.29	0.36	0.3	0.39	0.34	261
	4 (IGLBTE48-30G) +12A +4C	Single	Clear	Light Blue	43.03	30.77	13.59	28.24	34.49	1.79	1.5	1.78	1.46	0.32	0.26	0.31	0.26	0.39	0.34	257
	4 (IGLBTE48-30G) +15A +4C	Single	Clear	Light Blue	43.03	30.77	13.59	28.24	34.49	1.82	1.54	1.59	1.31	0.32	0.27	0.28	0.23	0.39	0.34	254
2	3.2 (IGBHTE59-17G) +6A +3.2C	Single	Clear	Bulish Grey	54.46	19.79	10.82	38.83	25.16	2.52	2.08	2.56	2.16	0.44	0.37	0.45	0.38	0.51	0.44	341
	3.2 (IGBHTE59-17G) +9A +3.2C	Single	Clear	Bulish Grey	54.46	19.79	10.82	38.83	25.16	2.07	1.7	2.14	1.79	0.36	0.3	0.38	0.32	0.51	0.44	335
	3.2 (IGBHTE59-17G) +12A +3.2C	Single	Clear	Bulish Grey	54.46	19.79	10.82	38.83	25.16	1.87	1.59	1.88	1.58	0.33	0.28	0.33	0.28	0.51	0.44	331
	3.2 (IGBHTE59-17G) +15A +3.2C	Single	Clear	Bulish Grey	54.46	19.79	10.82	38.83	25.16	1.89	1.63	1.7	1.44	0.33	0.29	0.3	0.25	0.5	0.44	328
	4 (IGBHTE59-17G) +6A +4C	Single	Clear	Bulish Grey	53.69	19.95	10.86	36.57	24.38	2.51	2.07	2.55	2.15	0.44	0.36	0.45	0.38	0.51	0.44	335
	4 (IGBHTE59-17G) +9A +4C	Single	Clear	Bulish Grey	53.69	19.95	10.86	36.57	24.38	2.07	1.7	2.14	1.79	0.36	0.3	0.38	0.32	0.5	0.44	329
	4 (IGBHTE59-17G) +12A +4C	Single	Clear	Bulish Grey	53.69	19.95	10.86	36.57	24.38	1.87	1.59	1.88	1.58	0.33	0.28	0.33	0.28	0.5	0.44	326
	4 (IGBHTE59-17G) +15A +4C	Single	Clear	Bulish Grey	53.69	19.95	10.86	36.57	24.38	1.89	1.62	1.7	1.44	0.33	0.29	0.3	0.25	0.5	0.44	324

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					Trans.	Reflect		Trans.	Reflect	Winter		Summer		Winter		Summer				
						outdoor	indoor			Air	Argon	Air	Argon	Air	Argon	Air	Argon			
3	3.2 (IGLCTE81-6G) +6A +3.2C	Single	Clear	Clear	74.15	11.88	12.95	56.36	19.16	2.52	2.08	2.56	2.16	0.44	0.37	0.45	0.38	0.71	0.62	464
	3.2 (IGLCTE81-6G) +9A +3.2C	Single	Clear	Clear	74.15	11.88	12.95	56.36	19.16	20.7	1.7	2.14	1.79	0.36	0.3	0.38	0.32	0.71	0.62	460
	3.2 (IGLCTE81-6G) +12A +3.2C	Single	Clear	Clear	74.15	11.88	12.95	56.36	19.16	1.87	1.59	1.88	1.58	0.33	0.28	0.33	0.28	0.71	0.62	457
	3.2 (IGLCTE81-6G) +15A +3.2C	Single	Clear	Clear	74.15	11.88	12.95	56.36	19.16	1.89	1.63	1.7	1.44	0.33	0.29	0.3	0.25	0.7	0.61	455
	4 (IGLCTE81-6G) +6A +4C	Single	Clear	Clear	72.81	11.18	12.48	52.55	18.53	2.51	2.07	2.55	2.15	0.44	0.36	0.45	0.38	0.69	0.6	451
	4 (IGLCTE81-6G) +9A +4C	Single	Clear	Clear	72.81	11.18	12.48	52.55	18.53	2.07	1.7	2.14	1.79	0.36	0.3	0.38	0.32	0.69	0.6	448
	4 (IGLCTE81-6G) +12A +4C	Single	Clear	Clear	72.81	11.18	12.48	52.55	18.53	1.87	1.59	1.88	1.58	0.33	0.28	0.33	0.28	0.69	0.6	446
4 (IGLCTE81-6G) +15A +4C	Single	Clear	Clear	72.81	11.18	12.48	52.55	18.53	1.89	1.62	1.7	1.44	0.33	0.29	0.3	0.25	0.69	0.6	444	
4	3.2 (IGLBTE48-19G) +6A +3.2C	Single	Clear	Light Blue	43.86	20.8	12.8	30.5	28.54	2.48	2.02	2.51	2	0.44	0.36	0.44	0.37	0.41	0.37	281
	3.2 (IGLBTE48-19G) +9A +3.2C	Single	Clear	Light Blue	43.86	20.8	12.8	30.5	28.54	2.02	1.64	2.08	1.72	0.36	0.29	0.37	0.3	0.41	0.36	273
	3.2 (IGLBTE48-19G) +12A +3.2C	Single	Clear	Light Blue	43.86	20.8	12.8	30.5	28.54	1.82	1.53	1.81	1.49	0.32	0.27	0.32	0.26	0.41	0.36	268
	3.2 (IGLBTE48-19G) +15A +3.2C	Single	Clear	Light Blue	43.86	20.8	12.8	30.5	28.54	1.84	1.57	1.62	1.35	0.32	0.28	0.29	0.24	0.41	0.36	266
	4 (IGLBTE48-19G) +6A +4C	Single	Clear	Light Blue	43.27	20.62	12.8	28.74	27.5	2.47	2.02	2.5	2.09	0.43	0.36	0.44	0.37	0.41	0.36	277
	4 (IGLBTE48-19G) +9A +4C	Single	Clear	Light Blue	43.27	20.62	12.8	28.74	27.5	2.01	1.64	2.08	1.72	0.35	0.29	0.37	0.3	0.41	0.36	270
	4 (IGLBTE48-19G) +12A +4C	Single	Clear	Light Blue	43.27	20.62	12.8	28.74	27.5	1.81	1.52	1.81	1.49	0.32	0.27	0.32	0.26	0.4	0.35	265
4 (IGLBTE48-19G) +15A +4C	Single	Clear	Light Blue	43.27	20.62	12.8	28.74	27.5	1.84	1.56	1.62	1.35	0.32	0.27	0.29	0.24	0.4	0.35	263	
5	6(IGBHDE55-9G) +6A+6C	Double	Clear	Bulish Grey	47.69	10.5	12.54	26.71	25.04	2.39	1.93	2.42	1.99	0.42	0.34	0.42	0.35	0.405	0.35	274
	6(IGBHDE55-9G) +9A+6C	Double	Clear	Bulish Grey	47.69	10.5	12.54	26.71	25.04	1.93	1.54	1.97	1.6	0.34	0.27	0.34	0.28	0.39	0.34	256
	6(IGBHDE55-9G) +12A+6C	Double	Clear	Bulish Grey	47.69	10.5	12.54	26.71	25.04	1.72	1.42	1.69	1.36	0.30	0.25	0.30	0.24	0.38	0.33	251
	6(IGBHDE55-9G) +15A+6C	Double	Clear	Bulish Grey	47.69	10.5	12.54	26.71	25.04	1.75	1.47	1.5	1.21	0.31	0.26	0.26	0.21	0.384	0.33	254
6	6 (IGSCDE76-5G) +6A+6C	Double	Clear	Clear	68.87	10.51	11.75	39.54	24.59	2.39	1.93	2.42	1.99	0.42	0.34	0.42	0.35	0.544	0.47	362
	6 (IGSCDE76-5G) +9A+6C	Double	Clear	Clear	68.87	10.51	11.75	39.54	24.59	1.93	1.54	1.97	1.6	0.34	0.27	0.34	0.28	0.539	0.47	356
	6 (IGSCDE76-5G) +12A+6C	Double	Clear	Clear	68.87	10.51	11.75	39.54	24.59	1.72	1.42	1.69	1.36	0.30	0.25	0.30	0.24	0.536	0.47	351
	6 (IGSCDE76-5G) +15A+6C	Double	Clear	Clear	68.87	10.51	11.75	39.54	24.59	1.75	1.47	1.5	1.21	0.31	0.26	0.26	0.21	0.534	0.46	349

Remarks:

- 1.All Performance values were calculated using the Window 5.2 program based on NFRC 100-2001 conditions.
- 2.The data and information based on samples tested are not guaranteed for all products.
- 3.The data are based on IG units with aluminum spacer and Low-e coating on the second surface. Glass surfaces of the IG unit are counted starting from the
- 4.Argon filling assumes a 90% fill rate (10%air)