

# Qingdao Morn Building Materials Co.,Ltd

## Glass Performance Data For Laminated&DGU

**Table 1. Monolithic hard coated Low-e Glass**

NO.	Glass Makeup	Visible Light(%)			Solar Energy(%)		U-value(W/m <sup>2</sup> .K)		SC	SHGC
		Trans	Reflect		Trans	Reflect	Winter	Summer		
			Outdoor	Indoor						
1	5mm Planibel	83	10	11	68	10	3.88	3.07	0.83	0.72
2	6mm Planibel	80	9	9	62	8	3.87	3.06	0.78	0.67
3	8mm Planibel	81	10	11	64	10	3.76	2.95	0.80	0.69
4	10mm Planibel	80	10	11	64	9	3.77	2.97	0.79	0.69
5	5mm Sunergy	69	8	10	52	9	4.19	3.43	0.69	0.60
6	6mm Sunergy	69	9	10	51	9	4.17	3.42	0.68	0.59
7	8mm Sunergy	68	8	10	50	9	4.13	3.39	0.68	0.58
8	10mm Sunergy	67	8	10	47	8	4.09	3.37	0.65	0.57
9	3mm Energy Advantage	82	11	12	69	11	3.69	2.84	0.83	0.72
10	4mm Energy Advantage	82	11	11	68	10	3.69	2.78	0.82	0.71
11	5mm Energy Advantage	82	10	12	68	10	3.69	2.78	0.82	0.71
12	6mm Energy Advantage	82	11	11	66	10	3.64	2.78	0.80	0.70
13	8mm Energy Advantage	81	10	11	62	9	3.64	2.78	0.77	0.67
14	10mm Energy Advantage	80	10	11	60	9	3.58	2.78	0.75	0.65

**Table 2. Monolithic hard coated reflective glass**

NO.	Glass Makeup	Visible Light(%)			Solar Energy(%)		U-value(W/m <sup>2</sup> .K)		SC	SHGC
		Trans	Reflect		Trans	Reflect	Winter	Summer		
			Outdoor	Indoor						
1	5 Euro grey reflective	23	14	44	33	11	5.81	5.24	0.58	0.50
2	6 Euro grey reflective	19	17	54	30	13	5.81	5.24	0.46	0.40
3	5 Euro Bronze Reflective	23	16	47	34	12	5.84	5.27	0.58	0.50
4	6 Euro Bronze Reflective	22	13	44	32	10	5.81	5.24	0.57	0.49
5	5 Crystal grey reflective	39	20	36	43	14	5.82	5.26	0.64	0.55
6	6 Crystal grey reflective	42	16	30	43	12	5.79	5.25	0.68	0.78
7	5 Ford Blue Reflective	26	22	49	31	15	5.84	5.27	0.55	0.47
8	6 Ford Blue Reflective	23	22	52	28	15	5.81	5.24	0.53	0.45

**Table 3. Monolithic soft coated reflective glass**

NO.	Glass Makeup	Visible Light(%)			Solar Energy(%)		U-value(W/m <sup>2</sup> .K)		SC	SHGC
		Trans	Reflect		Trans	Reflect	Winter	Summer		
			Outdoor	Indoor						
1	6 MNSR0130	31.00	26.00	11.00	25.00	23.00	4.99	4.36	0.46	0.40
2	6 MNSR0140	35.00	29.00	11.00	31.00	17.00	5.03	4.41	0.50	0.44
3	6 MNSR0150	50.00	23.00	9.00	45.00	15.00	5.46	4.87	0.64	0.56
4	6 MNSR0160	57.00	18.00	11.00	50.00	9.00	5.46	4.87	0.70	0.61
5	6 MNSR0180	81	8	8	68	8	5.81	5.24	0.97	0.84

Substrate: Clear,Others:Low iron,Tited etc are available.

**Table 4. Insulated Glass**

NO.	Glass Makeup	Visible Light(%)			Solar Energy(%)		U-value(W/m <sup>2</sup> .K)		SC	SHGC
		Trans	Reflect		Trans	Reflect	Winter	Summer		
			Outdoor	Indoor						
1	6 Clear+12A+6C	81	15	15	70	13	2.7	2.84	0.88	0.76
2	6 Green+12A+6C	68	12	14	38	7	2.69	2.74	0.55	0.46
3	6 Euro Grey+12A+6C	40	7	12	38	7	2.72	2.76	0.56	0.49
4	6 Crystal Grey+12A+6C	57	10	13	48	8	2.69	2.74	0.66	0.57
5	6 Planibel+12A+6C	73	15	17	56	14	1.92	1.94	0.76	0.66
6	6 Sunergy+12A+6C	61	12	16	41	11	2.11	2.18	0.59	0.52
7	6 Euro Grey Reflective +12A+6	17	17	54	23	14	2.68	2.82	0.42	0.36
8	6 Euro Bronze Reflective + 12A + 6	20	13	46	25	11	2.68	2.82	0.43	0.37

9	6 Ford Blue Reflective + 12A + 6	21	22	52	22	15	2.68	2.82	0.39	0.34
10	6 MNSR0130+12A+6C	28	27	17			2.44	2.56	0.36	0.31
11	6 MNSR0140+12A+6C	35	29	11			2.46	2.58	0.4	0.35
12	6 MNSR0150+12A+6C	46	25	16			2.6	2.73	0.53	0.46
13	6 MNSR0160+12A+6C	52	21	17			2.6	2.73	0.59	0.51
14	6 MNSR0180+12A+6C	74	14	15			2.7	2.84	0.97	0.84
15	6 TMNSE39-T+12A+6C	35	29	11	21	27	1.8	1.79	0.32	0.28
16	6 TMNSE50-T+12A+6C	42	31	15	25	31	1.71	1.68	0.36	0.31
17	6 TMNSE52-T+12A+6C	46	21	10	28	21	1.81	1.81	0.4	0.35
18	6 TMNSE57-T+12A+6C	51	19	10	32	20	1.87	1.89	0.45	0.39
19	6 TMNSE60-T+12A+6C	53	21	11	34	21	1.8	1.8	0.48	0.42
20	6 TMNSE66-T+12A+6C	58	18	11	37	20	1.8	1.79	0.51	0.44
21	6 TMNSE70-T+12A+6C	60	12	11	39	15	1.83	1.84	0.53	0.46
22	6 TMNSE80-T+12A+6C	67	11	11	43	15	1.83	1.83	0.59	0.51
23	6 TMNSE88-T+12A+6C	75	12	12	49	17	1.81	1.81	0.66	0.57
24	6 XMNSE40-T+12A+6C	34	27	9	21	25	1.84	1.84	0.33	0.29
25	6 XMNSE50-T+12A+6C	44	22	8	28	22	1.82	1.82	0.41	0.35
26	6 XMNSE60-T+12A+6C	53	17	9	34	19	1.84	1.84	0.48	0.41
27	6 XMNSE70-T+12A+6C	64	11	11	39	19	1.84	1.84	0.54	0.57
28	6 XMNSE80-T+12A+6C	72	10	11	49	18	1.85	1.85	0.65	0.56
29	6 TMNDE48-T+12A+6C	44	16	17	27	22	1.62	1.55	0.32	0.28
30	6 TMNDE50-T+12A+6C	46	27	32	34	21	1.63	1.57	0.3	0.26
31	6 TMNDE60-T+12A+6C	58	17	19	27	29	1.62	1.56	0.4	0.35
32	6 TMNDE70-T+12A+6C	64	10	12	27	31	1.64	1.57	0.42	0.37
33	6 TMNDE75-T+12A+6C	66	11	12	27	32	1.63	1.57	0.43	0.37
34	6 TMNDE80-T+12A+6C	71	10	11	27	36	1.64	1.58	0.48	0.42
35	6 XMNDE48-T+12A+6C	45	17	18	21	27	1.65	1.59	0.31	0.27
36	6 XMNDE50-T+12A+6C	48	32	26	23	40	1.64	1.58	0.32	0.28
37	6 XMNDE60-T+12A+6C	51	19	11	24	37	1.67	1.62	0.33	0.29
38	6 XMNDE70-T+12A+6C	63	14	16	28	35	1.64	1.58	0.38	0.33
39	6 XMNDE80-T+12A+6C	71	11	12	36	28	1.65	1.59	0.48	0.42
40	6 WMNTE58-T+12A+6C	52	14	19	21	35	1.62	1.55	0.29	0.25
41	6 WMNTE60-T+12A+6C	52	11	13	21	35	1.62	1.55	0.3	0.26
42	6 WMNTE70-T+12A+6C	62	12	13	26	39	1.62	1.56	0.33	0.29
43	6 WMNTE72-T+12A+6C	65	13	13	26	38	1.61	1.54	0.34	0.3
44	6 JMNTE70-T+12A+6C	67	13	14	26	40	1.63	1.56	0.34	0.3

Substrate: Clear,Others:Low iron,Tited etc are available.

Remarks:

- 1.The data is based on calculation by Window 5.2 under NFRC 100-2001 standard condition.
- 2.The actual performance data may slightly differ from the data listed.

For more data requirement,please contact our technical support:

**Qingdao Morn Building Materials Co.,Ltd**

Website: [www.cnmorn.com](http://www.cnmorn.com)

[www.cnmorn.net](http://www.cnmorn.net)

EMAIL: [marketing@cnmorn.com](mailto:marketing@cnmorn.com)

Technical support: [han@cnmorn.com](mailto:han@cnmorn.com)

Mobile/Wechat: 0086-17705464660