Monolithic Glass Performance Data[1, 10]

Product	Nominal Glass Thickness		Visible Light[2]			Total Solar Energy[2]			U-Factor[5]						Solar Heat Gain Coefficient[7]	Shading Coefficient[8]
			Transmittance[3] %	Reflectance[4] %		Transmittance[3] %	Reflectance[4] %	UV Transmittance[2] %	U.S. Summer		U.S. Winter		European[6]			
	in.	mm		Outside	Inside				Air	Argon	Air	Argon	Air	Argon		
Pilkington Uncoated Float Glass																
Optifloat Clear	3/32	2.5	90	8	8	86	8	75	0.95	–	1.05	–	5.9	–	0.87	1.00
	1/8	3	90	8	8	84	8	72	0.94	–	1.04	–	5.8	–	0.86	0.99
	5/32	4	89	8	8	81	7	68	0.94	–	1.04	–	5.8	–	0.84	0.97
	3/16	5	89	8	8	80	7	65	0.93	–	1.03	–	5.8	–	0.83	0.96
	1/4	6	88	8	8	77	7	62	0.93	–	1.02	–	5.7	–	0.81	0.94
	5/16	8	87	8	8	73	7	57	0.92	–	1.01	–	5.7	–	0.79	0.91
	3/8	10	86	8	8	70	7	54	0.91	–	1.00	–	5.6	–	0.77	0.88
	1/2	12	84	8	8	64	6	49	0.89	–	0.98	–	5.5	–	0.73	0.84
	5/8	16	83	8	8	59	6	45	0.88	–	0.97	–	5.4	–	0.70	0.81
	3/4	19	81	7	7	55	6	41	0.86	–	0.95	–	5.3	–	0.67	0.78
Optifloat Grey Tint	1/8	3	61	6	6	59	6	35	0.94	–	1.04	–	5.8	–	0.69	0.8
	3/16	5	50	6	6	48	5	26	0.93	–	1.03	–	5.8	–	0.62	0.71
	1/4	6	43	5	5	40	5	20	0.93	–	1.02	–	5.7	–	0.57	0.66
	5/16	8	33	5	5	31	5	14	0.92	–	1.01	–	5.7	–	0.50	0.59
	3/8	10	28	5	5	26	5	11	0.91	–	1.00	–	5.6	–	0.47	0.55
	1/2	12	19	4	4	17	4	7	0.89	–	0.98	–	5.5	–	0.42	0.49
Optifloat Bronze Tint	1/8	3	68	6	6	65	6	37	0.94	–	1.04	–	5.8	–	0.73	0.84
	3/16	5	59	6	6	55	6	28	0.93	–	1.03	–	5.8	–	0.67	0.77
	1/4	6	53	5	5	49	5	23	0.93	–	1.02	–	5.7	–	0.62	0.72
	5/16	8	44	5	5	39	5	16	0.92	–	1.01	–	5.7	–	0.56	0.65
	3/8	10	39	5	5	34	5	13	0.91	–	1.00	–	5.6	–	0.53	0.61
	1/2	12	29	5	5	25	4	8	0.89	–	0.98	–	5.5	–	0.47	0.55
Optifloat Blue-Green Tint	1/4	6	75	7	7	48	5	31	0.93	–	1.02	–	5.7	–	0.62	0.72
	5/16	8	70	7	7	40	5	25	0.92	–	1.01	–	5.7	–	0.57	0.66
	3/8	10	67	6	6	36	5	21	0.91	–	1.00	–	5.6	–	0.54	0.63
EverGreen High-Performance Tint	1/8	3	76	7	7	49	6	27	0.94	–	1.04	–	5.8	–	0.62	0.72
	3/16	5	73	7	7	42	5	21	0.93	–	1.03	–	5.8	–	0.58	0.67
	1/4	6	66	6	6	33	5	14	0.93	–	1.02	–	5.7	–	0.51	0.60
Arctic Blue High-Performance Tint	5/32	4	65	6	6	45	5	31	0.94	–	1.04	–	5.8	–	0.60	0.69
	1/4	6	55	6	6	34	5	22	0.93	–	1.02	–	5.7	–	0.52	0.61
	3/8	10	39	5	5	20	5	12	0.91	–	1.00	–	5.6	–	0.43	0.51
SuperGrey High-Performance Tint	1/8	3	25	5	5	23	4	6	0.94	–	1.04	–	5.8	–	0.45	0.52
	3/16	5	12	4	4	11	4	2	0.93	–	1.03	–	5.8	–	0.37	0.44
	1/4	6	9	4	4	8	4	1	0.93	–	1.03	–	5.7	–	0.35	0.41
Pilkington Eclipse Advantage™ Reflective Low-E Glass Outer Lite (#2 Surface)																
Eclipse Advantage Clear	1/4	6	66	22	27	56	17	28	0.53	–	0.67	–	3.8	–	0.61	0.71
Eclipse Advantage Grey	1/4	6	32	9	26	29	8	10	0.53	–	0.67	–	3.8	–	0.41	0.48
Eclipse Advantage Bronze	1/4	6	40	11	26	35	9	11	0.53	–	0.67	–	3.8	–	0.46	0.53
Eclipse Advantage Blue-Green	1/4	6	56	17	27	35	10	16	0.53	–	0.67	–	3.8	–	0.45	0.53
Eclipse Advantage EverGreen	1/4	6	49	14	26	23	8	7	0.53	–	0.67	–	3.8	–	0.37	0.43
Eclipse Advantage Arctic Blue	1/4	6	41	11	26	24	8	11	0.53	–	0.67	–	3.8	–	0.37	0.44
Pilkington Solar E™ Solar Control Low-E Glass (#2 Surface)[9]																
Solar E Solar Control Low-E	3/32	2.5	61	7	9	47	8	51	0.49	–	0.65	–	3.7	–	0.55	0.64
	1/8	3	60	7	9	46	7	47	0.49	–	0.65	–	3.6	–	0.53	0.62
	5/32	4	60	7	9	44	7	44	0.49	–	0.64	–	3.6	–	0.52	0.61
	3/16	5	60	7	9	44	7	45	0.49	–	0.64	–	3.6	–	0.52	0.61
	1/4	6	60	7	9	42	7	41	0.49	–	0.64	–	3.6	–	0.51	0.59
	5/16	8	60	8	9	41	7	40	0.48	–	0.63	–	3.6	–	0.50	0.58

For footnotes, please refer to page 21.

Monolithic Glass Performance Data[1, 10] *Continued*

Product	Nominal Glass Thickness		Visible Light[2]			Total Solar Energy[2]			U-Factor[5]						Solar Heat Gain Coefficient[7]	Shading Coefficient[8]
			Transmittance[3] %	Reflectance[4] %		Transmittance[3] %	Reflectance[4] %	UV Transmittance[2] %	U.S. Summer		U.S. Winter		European[6]			
	in.	mm		Outside	Inside				Air	Argon	Air	Argon	Air	Argon		
Pilkington Energy Advantage™ Low-E Glass (#2 Surface)[9]																
Energy Advantage Low-E	3/32	2.5	83	11	11	71	11	60	0.5	–	0.65	–	3.7	–	0.74	0.85
	1/8	3	82	11	12	69	11	57	0.5	–	0.65	–	3.7	–	0.72	0.83
	5/32	4	82	10	11	68	10	55	0.49	–	0.65	–	3.6	–	0.71	0.82
	3/16	5	83	11	12	68	10	53	0.49	–	0.65	–	3.6	–	0.71	0.82
	1/4	6	82	10	11	66	10	49	0.49	–	0.64	–	3.6	–	0.70	0.80
	5/16	8	81	10	11	62	9	45	0.49	–	0.64	–	3.6	–	0.67	0.77
	3/8	10	80	10	11	60	9	43	0.49	–	0.63	–	3.6	–	0.65	0.75

For footnotes, please refer to page 21.