

Insulating Glass Performance Data^{1, 10}

[Insulating units constructed of equal glass thicknesses and 1/2" (12.7mm) airspace]

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		

Pilkington Uncoated Float Glass Outer Lite and Clear Float Glass Inner Lite

Optifloat Clear	3/32	2.5	82	15	15	74	14	61	0.51	–	0.48	–	2.8	–	0.78	0.90
	1/8	3	81	15	15	71	13	57	0.51	–	0.48	–	2.8	–	0.76	0.88
	5/32	4	80	15	15	67	12	52	0.50	–	0.48	–	2.8	–	0.74	0.85
	3/16	5	79	15	15	64	12	50	0.50	–	0.48	–	2.8	–	0.72	0.83
	1/4	6	78	14	14	60	12	46	0.50	–	0.47	–	2.8	–	0.70	0.81
Optifloat Grey Tint	1/8	3	55	9	13	50	9	29	0.51	–	0.48	–	2.8	–	0.58	0.67
	3/16	5	45	8	13	39	7	21	0.50	–	0.48	–	2.8	–	0.50	0.58
	1/4	6	38	7	12	32	6	16	0.50	–	0.47	–	2.8	–	0.44	0.51
Optifloat Bronze Tint	1/8	3	62	10	13	55	9	31	0.51	–	0.48	–	2.8	–	0.63	0.72
	3/16	5	53	9	13	45	8	23	0.50	–	0.48	–	2.8	–	0.55	0.64
	1/4	6	47	8	12	38	7	18	0.50	–	0.47	–	2.8	–	0.50	0.58
Optifloat Blue-Green Tint	1/4	6	66	12	14	39	8	25	0.50	–	0.47	–	2.8	–	0.50	0.58
EverGreen High-Performance Tint	1/8	3	69	12	14	42	8	23	0.51	–	0.48	–	2.8	–	0.51	0.59
	3/16	5	65	11	14	35	7	18	0.50	–	0.48	–	2.8	–	0.46	0.53
	1/4	6	58	10	13	27	6	11	0.50	–	0.47	–	2.8	–	0.39	0.45
Arctic Blue High-Performance Tint	1/4	6	49	8	13	28	6	18	0.50	–	0.47	–	2.8	–	0.40	0.46
SuperGrey High-Performance Tint	1/8	3	23	5	12	19	5	6	0.51	–	0.48	–	2.8	–	0.32	0.37
	3/16	5	11	4	12	9	4	2	0.50	–	0.48	–	2.8	–	0.24	0.28
	1/4	6	8	4	11	6	4	1	0.50	–	0.47	–	2.8	–	0.21	0.25

Pilkington Eclipse Advantage™ Reflective Low-E Glass Outer Lite (#2 Surface) and Clear Float Glass Inner Lite

Eclipse Advantage Clear	1/4	6	60	26	30	45	20	22	0.35	0.30	0.34	0.30	1.9	1.7	0.54	0.62
Eclipse Advantage Grey	1/4	6	29	9	28	23	9	8	0.35	0.30	0.34	0.30	1.9	1.7	0.33	0.39
Eclipse Advantage Bronze	1/4	6	36	12	29	28	10	9	0.35	0.30	0.34	0.30	1.9	1.7	0.38	0.44
Eclipse Advantage Blue-Green	1/4	6	51	20	29	29	11	13	0.35	0.30	0.34	0.30	1.9	1.7	0.38	0.44
Eclipse Advantage EverGreen	1/4	6	44	16	29	20	9	6	0.35	0.30	0.34	0.30	1.9	1.7	0.29	0.34
Eclipse Advantage Arctic Blue	1/4	6	37	13	29	20	8	9	0.35	0.30	0.34	0.30	1.9	1.7	0.30	0.34

Pilkington Solar E™ Solar Control Low-E Glass Outer Lite (#2 Surface) and Clear Float Glass Inner Lite

Solar E Solar Control Low-E	3/32	2.5	55	10	16	41	10	41	0.33	0.28	0.33	0.29	1.9	1.6	0.48	0.55
	1/8	3	55	10	15	39	9	38	0.33	0.28	0.33	0.29	1.9	1.5	0.46	0.53
	5/32	4	54	10	15	37	9	34	0.33	0.28	0.33	0.28	1.8	1.5	0.45	0.51
	3/16	5	54	10	15	36	9	34	0.33	0.28	0.33	0.28	1.8	1.5	0.45	0.51
	1/4	6	53	10	15	33	9	31	0.32	0.27	0.33	0.28	1.8	1.5	0.43	0.49
	5/16	8	53	11	15	31	9	29	0.32	0.27	0.32	0.28	1.8	1.5	0.42	0.48