

# INSULATING GLASS PERFORMANCE DATA



Manufacturer	1" Insulating Unit (1/2" Air space)		Visible Light		Total Solar Energy			U-Values		Solar Heat Gain Coefficient	Shading Coefficient
	Glass Type (1/4") Outer Lite	Glass Type (1/4") Inner Lite	Transmittance %	Reflectance %	Transmittance %	Reflectance %	UV Transmittance %	Summer	Winter		
Uncoated											
Pilkington	Clear	Clear	78	14	60	12	46	0.50	0.47	0.70	0.81
Pilkington	Grey	Clear	38	7	32	6	16	0.50	0.47	0.44	0.51
Pilkington	Bronze	Clear	47	8	38	7	18	0.50	0.47	0.50	0.58
Pilkington	Blue-Green	Clear	66	12	39	8	25	0.50	0.47	0.50	0.58
Pilkington	EverGreen	Clear	58	10	27	6	11	0.50	0.47	0.39	0.45
Pilkington	Artic Blue	Clear	49	8	28	6	18	0.50	0.47	0.40	0.46
Pilkington	SuperGrey	Clear	8	4	6	4	1	0.50	0.47	0.21	0.25
PPG	Solexia (Green)	Clear	69	13	39	8	25	0.57	0.48	0.49	0.56
PPG	Atlantica (Green)	Clear	60	11	29	7	13	0.57	0.48	0.39	0.45
PPG	Azurlite (Blue)	Clear	60	11	27	7	34	0.57	0.48	0.38	0.44
PPG	Optigray 23 (Gray)	Clear	21	5	16	5	6	0.58	0.48	0.28	0.32
PPG	Graylite (Gray)	Clear	12	5	20	5	6	0.58	0.48	0.33	0.38
Reflective											
PPG	Solarcool Solexia (1)	Clear	27	37	18	30	7	0.56	0.48	0.27	0.31
PPG	Solarcool Solexia (2)	Clear	27	24	19	12	7	0.58	0.48	0.30	0.35
PPG	Solarcool Caribia (1)	Clear	24	37	12	30	6	0.57	0.48	0.21	0.24
PPG	Solarcool Caribia (2)	Clear	24	19	12	10	6	0.58	0.48	0.24	0.28
PPG	Solarcool Azurlite (Blue) (1)	Clear	24	5	12	30	10	0.57	0.48	0.20	0.23
PPG	Solarcool Azurlite (Blue) (2)	Clear	24	19	12	10	10	0.58	0.48	0.24	0.28
PPG	Solarcool Bronze (1)	Clear	19	38	21	26	6	0.56	0.48	0.30	0.34
PPG	Solarcool Bronze (2)	Clear	19	14	21	12	6	0.58	0.48	0.33	0.38
PPG	Solarcool Gray (1)	Clear	15	37	18	30	6	0.56	0.48	0.27	0.31
PPG	Solarcool Gray (2)	Clear	16	11	18	10	6	0.58	0.48	0.30	0.34
PPG	Solarcool Graylite (1)	Clear	5	36	12	30	2	0.57	0.48	0.22	0.25
PPG	Solarcool Graylite (2)	Clear	5	5	12	6	2	0.59	0.48	0.25	0.29
Low-E											
Pilkington	Solar E, Solar Control Low-E (2)	Clear	53	10	33	9	31	0.32	0.33	0.43	0.49
Pilkington	Energy Advantage Low-E (2)	Clear	73	16	52	13	36	0.33	0.33	0.61	0.71
Pilkington	Grey	Energy Advantage Low-E (3)	36	7	28	8	13	0.37	0.33	0.39	0.45
Pilkington	Bronze	Energy Advantage Low-E (3)	45	9	33	9	14	0.37	0.33	0.45	0.52
Pilkington	Blue-Green	Energy Advantage Low-E (3)	62	13	34	9	20	0.36	0.33	0.45	0.52
Pilkington	EverGreen	Energy Advantage Low-E (3)	55	11	24	7	9	0.37	0.33	0.34	0.39
Pilkington	Artic Blue	Energy Advantage Low-E (3)	46	10	25	7	14	0.37	0.33	0.35	0.40
Pilkington	SuperGrey	Energy Advantage Low-E (3)	7	4	5	4	1	0.38	0.33	0.14	0.16
Pilkington	Bronze	Solar E, Solar Control Low-E (2)	33	8	22	9	13	0.38	0.34	0.42	0.49
Pilkington	Grey	Solar E, Solar Control Low-E (2)	27	7	18	8	12	0.38	0.34	0.37	0.43
Pilkington	Eclipse Advantage Clear (2)	Clear	60	26	45	20	22	0.35	0.34	0.54	0.62
Pilkington	Eclipse Advantage Grey (2)	Clear	29	9	23	9	8	0.35	0.34	0.33	0.39
Pilkington	Eclipse Advantage Bronze (2)	Clear	36	12	28	10	9	0.35	0.34	0.38	0.44
Pilkington	Eclipse Advantage Blue-Green (2)	Clear	51	20	29	11	13	0.35	0.34	0.38	0.44
Pilkington	Eclipse Advantage EverGreen (2)	Clear	44	16	20	9	6	0.35	0.34	0.29	0.34
Pilkington	Eclipse Advantage Artic Blue (2)	Clear	37	13	20	8	9	0.35	0.34	0.30	0.34

(Eclipse Advantage is a reflective Low-E coating)

Above is a sampling of possible combinations. Consult factory for more glass options

All data is from original glass manufacturer's published data.

Some combinations of glass may require heat treating to increase resistance to thermal stresses

Some glasses may not be available. Consult factory for current inventory and/or availability.