

---

iQUE™  
WINDOW FILMS  
PERFORMANCE  
DATA

---



# SOLAR CONTROL

Below are the technical definitions of which the film specifications are calculated using standard clear 3mm glass.

	% VISIBLE LIGHT TRANSMITTANCE	% VISIBLE LIGHT REFLECTANCE (GLASS)	% VISIBLE LIGHT REFLECTANCE (FILM)	% ULTRAVIOLET REJECTION	% TOTAL SOLAR ENERGY REJECTION	LUMINOUS EFFICACY	SOLAR HEAT GAIN COEFFICIENT	SHADING COEFFICIENT	EMISSIVITY	U-VALUE Btu/(hr.ft <sup>2</sup> .°F)	GLARE REDUCTION	% TOTAL SOLAR ENERGY TRANSMITTED	% TOTAL SOLAR ENERGY REFLECTED IN THE FRONT SIDE	% TOTAL SOLAR ENERGY ABSORBED	% TOTAL SOLAR ENERGY REFLECTED IN THE BACK SIDE
<b>SPECTRALLY SELECTIVE</b>															
78FG	78.0	10.0	10.0	99.0	42.0	1.17	0.58	0.67	0.57	0.89	0.13	51.0	22.0	27.0	28.0
73FG	69.0	9.0	10.0	99.0	57.0	1.39	0.43	0.50	0.54	0.88	0.23	35.0	32.0	33.0	40.0
58FG	58.0	11.0	9.0	99.0	50.0	1.02	0.50	0.57	0.80	1.02	0.35	38.0	23.0	39.0	19.0
53GII	53.0	10.0	9.0	99.0	61.0	1.19	0.39	0.45	0.78	1.01	0.41	27.0	32.0	41.0	27.0
43FG	44.0	12.0	10.0	99.0	64.0	1.06	0.36	0.41	0.85	1.05	0.51	22.0	33.0	45.0	22.0
33FG	36.0	13.0	13.0	99.0	66.0	0.93	0.34	0.39	0.86	1.05	0.60	19.0	33.0	48.0	20.0
<b>IR-COATING</b>															
83J	82.0	10.0	10.0	99.0	28.0	1.00	0.72	0.83	0.84	1.04	0.09	63.0	8.0	29.0	8.0
73J	70.0	7.0	8.0	99.0	39.0	1.06	0.61	0.67	0.89	1.07	0.22	46.0	7.0	47.0	7.0
63J	65.0	9.0	9.0	99.0	43.0	1.00	0.57	0.65	0.83	1.03	0.28	41.0	7.0	52.0	7.0
<b>PERFORMANCE</b>															
68P	67.0	23.0	26.0	99.0	50.0	1.17	0.50	0.57	0.55	0.88	0.26	45.0	35.0	20.0	43.0
18P	16.0	14.0	13.0	99.0	66.0	0.42	0.34	0.39	0.74	0.99	0.82	14.0	18.0	68.0	21.0
<b>HYBRID</b>															
33T	37.0	21.0	17.0	99.0	52.0	0.66	0.48	0.56	0.86	1.09	0.59	33.0	19.0	48.0	18.0
8H	5.0	11.0	10.0	99.0	70.0	0.15	0.30	0.35	0.70	0.97	0.94	13.0	27.0	60.0	30.0
<b>METALLISED</b>															
58A	66.0	14.0	12.0	99.0	35.0	0.89	0.65	0.74	0.84	1.04	0.27	56.0	14.0	30.0	13.0
<b>EXTERNAL</b>															
73FGX	69.0	10.0	10.0	99.0	57.0	1.41	0.43	0.49	0.84	1.04	0.23	35.0	40.0	25.0	32.0
33A (OSW)	36.0	42.0	39.0	99.0	65.0	0.89	0.35	0.41	0.84	1.04	0.60	27.0	46.0	27.0	39.0
18A (OSW)	18.0	63.0	60.0	99.0	80.0	0.76	0.20	0.23	0.84	1.04	0.80	13.0	64.0	23.0	56.0

# SAFETY & SECURITY

	% VISIBLE LIGHT TRANSMITTANCE	% VISIBLE LIGHT REFLECTANCE (GLASS)	% VISIBLE LIGHT REFLECTANCE (FILM)	% ULTRAVIOLET REJECTION	% TOTAL SOLAR ENERGY REJECTION	LUMINOUS EFFICACY	SOLAR HEAT GAIN COEFFICIENT	SHADING COEFFICIENT	EMISSIVITY	U-VALUE Btu/(hr.ft <sup>2</sup> .°F)	GLARE REDUCTION	% TOTAL SOLAR ENERGY TRANSMITTED	% TOTAL SOLAR ENERGY REFLECTED IN THE FRONT SIDE	% TOTAL SOLAR ENERGY ABSORBED	% TOTAL SOLAR ENERGY REFLECTED IN THE BACK SIDE
<b>SOLAR CONTROL SAFETY &amp; SECURITY</b>															
SS400/73	71.0	9.0	9.0	99.0	54.0	1.34	0.46	0.53	0.82	1.03	0.21	37.0	31.0	32.0	37.0
<b>SAFETY &amp; SECURITY</b>															
CS200/83	90.0	10.0	10.0	95.0	14.0	0.91	0.86	0.99	0.90	1.07	0.00	84.0	9.0	7.0	9.0
CS400/38	36.0	22.0	19.0	99.0	55.0	0.68	0.45	0.52	0.85	1.05	0.61	31.0	21.0	48.0	20.0
CS400/83	89.0	10.0	10.0	99.0	15.0	0.91	0.85	0.98	0.89	1.07	0.01	83.0	9.0	8.0	9.0
CS800/83	88.0	11.0	11.0	99.0	16.0	0.92	0.84	0.96	0.90	1.07	0.02	81.0	10.0	9.0	10.0

Note: All values averaged from routinely accumulated quality control.