

PERFORMANCE SPECIFICATION - STABLE DYED FILMS

Type of Films	Structure	Visible Light			Solar Energy			IR Rejected	UV Protection	Solar Heat Reduction	Emissivity	Shading Coefficient	U-Value (W/ k)	SHGC	TSER	Glare Reduction
		Transmitted	Reflected (int)	Reflected (ext)	Transmitted	Reflected	Absorbed									
STABLE DYED BASIC FILM																
ST BLACK 03	1mil/1ply	3.2	4.8	6.6	40.8	7.4	51.8	11	>99	34.0	0.89	0.66	6.0	0.57	45.5	93
ST BLACK 05	1mil/1ply	6.3	4.8	5.1	42.3	6.2	51.5	11	>99	32.0	0.89	0.68	6.0	0.59	44.1	93
ST BLACK 15	1mil/1ply	14.3	4.9	5.1	47.0	6.3	46.7	11	>99	29.0	0.88	0.71	6.0	0.62	40.7	84
ST BLACK 20	1mil/1ply	22.7	4.9	5.1	51.9	6.4	41.7	11	>99	25.0	0.89	0.75	6.0	0.65	37.1	75
ST BLACK 35	1mil/1ply	37.7	5.7	5.8	59.2	6.7	34.1	11	>99	20.0	0.89	0.80	6.0	0.70	31.9	58
ST BLACK 50	1mil/1ply	50.1	6.9	6.4	63.0	7.0	30.0	11	>99	17.0	0.88	0.83	6.0	0.72	29.0	44
ST BLACK 70	1mil/1ply	71.6	8.0	8.2	73.1	7.9	19.0	11	>99	10.0	0.88	0.90	6.0	0.80	21.9	20
STABLE DYED 2PLY NON-REFLECTIVE FILM																
NR ST BLACK 03	1.5mil/2ply	3.2	4.8	6.6	40.8	7.4	51.8	12	>99	34.0	0.89	0.66	6.0	0.57	45.5	93
NR ST BLACK 05	1.5mil/2ply	6.3	4.8	5.1	42.3	6.2	51.5	12	>99	32.0	0.89	0.68	6.0	0.59	44.1	93
NR ST BLACK 15	1.5mil/2ply	14.3	4.9	5.1	47.0	6.3	46.7	12	>99	29.0	0.88	0.71	6.0	0.62	40.7	84
NR ST BLACK 20	1.5mil/2ply	22.7	4.9	5.1	51.9	6.4	41.7	12	>99	25.0	0.89	0.75	6.0	0.65	37.1	75
NR ST BLACK 35	1.5mil/2ply	37.7	5.7	5.8	59.2	6.7	34.1	12	>99	20.0	0.89	0.80	6.0	0.70	31.9	58
NR ST BLACK 50	1.5mil/2ply	50.1	6.9	6.4	63.0	7.0	30.0	12	>99	17.0	0.88	0.83	6.0	0.72	29.0	44
NR ST BLACK 70	1.5mil/2ply	71.6	8.0	8.2	73.1	7.9	19.0	12	>99	10.0	0.88	0.90	6.0	0.80	21.9	20
STABLE DYED REFLECTIVE FILM																
HP BLACK 05A	1.5mil/2ply	5.3	4.8	6.8	29.7	7.9	62.4	37	>99	42.0	0.87	0.58	6.0	0.51	54.0	94
HP BLACK 15A	1.5mil/2ply	10.8	4.9	7.2	32.4	7.9	59.7	37	>99	40.0	0.86	0.60	6.0	0.53	52.0	88
HP BLACK 20A	1.5mil/2ply	16.8	5.3	7.6	34.4	8.4	57.2	37	>99	39.0	0.87	0.61	6.0	0.54	50.6	81
HP BLACK 35A	1.5mil/2ply	26.9	5.9	7.5	40.2	8.9	50.9	37	>99	35.0	0.87	0.65	6.0	0.57	46.5	70
HP BLACK 50A	1.5mil/2ply	40.5	7.3	8.1	46.4	9.3	44.3	37	>99	30.0	0.86	0.70	6.0	0.62	42.0	55

* All Testing Was Performed On A Single Pane, 3mm (1/8inch) Clear Glass, In Compliance With ISO9050. JIS A5759, KS L 2514 Standard.