

Thermal and Optical Properties of DuPont Butacite® and SentryGlas® Expressions®

Laminate Construction - 2 Lites 1/8" Clear Glass with PVB (see caliper specified)

Solar Properties - Clear PVB and Printed PVB

PVB Color	Print Coverage	Visible Light Transmission%	Solar Transmission%	Shading Coefficient	Relative Laminate Instantaneous Heat Gain (BTU/hr/ft ²)	Caliper
Clear	N / A	89	73	0.92	198	30 mil
Clear	N / A	88	73	0.91	197	60 mil
Black Printed	100%	8.5	9.4	0.4	96	45 mil
Black Printed	75%	24.5	26.5	0.52	120	45 mil
Black Printed	50%	43.2	38.9	0.64	143	45 mil
Black Printed	25%	64.2	54.1	0.76	167	45 mil
Cyan Printed	100%	25.7	43.7	0.68	151	45 mil
Cyan Printed	50%	62.4	59.3	0.8	175	45 mil

Acoustic properties Clear PVB Laminate (see caliper specified)

Frequency Hz	Sound Transmission Loss (TL)	
	45 mil	60 mil
100	31	32
125	29	29
160	27	27
200	28	28
250	28	28
315	28	29
400	30	30
500	31	32
630	33	34
800	35	35
1000	35	36
1250	36	37
1600	35	36
2000	34	35
2500	35	35
3150	38	38
4000	42	42
5000	45	45

The data presented are for samples tested and are not guaranteed for all samples or applications
Laminate construction, image design, color, etc. will impact performance