

Laminated Glass Assembly				STC Rating †	Frequency (Hz)																	
Inside Glass	EVALAYER (EVA Thermoset film)	Outside Glass	Overall Nominal Thickness*		100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
Symmetrical Assembly					Sound Transmission Loss (dB)																	
1/8"	0.045"	1/8"	1/4"	35	25	26	28	27	29	29	30	32	34	35	35	36	36	35	35	38	43	46
3/16"	0.030"	3/16"	3/8"	36	27	27	27	30	31	31	33	34	35	36	36	35	34	37	41	45	49	52
1/4"	0.030"	1/4"	1/2"	38	25	29	28	30	33	33	34	36	37	37	37	36	37	41	45	48	51	53
1/4"	0.060"	1/4"	1/2"	39	25	29	28	30	33	33	34	36	37	37	37	36	37	41	45	48	51	53
1/2"	0.060"	1/2"	1"	41	29	32	29	32	34	35	36	39	38	37	37	41	44	47	50	53	56	57
Asymmetrical Assembly																						
1/4"	0.030"	1/8"	3/8"	36	27	28	26	30	31	31	32	34	35	36	36	35	35	36	40	44	48	51
1/4"	0.060"	1/8"	3/8"	37	27	28	27	30	31	31	33	35	36	37	37	37	36	37	41	44	48	51
3/8"	0.030"	1/4"	5/8"	40	26	29	28	30	33	33	35	36	37	38	38	37	38	41	44	47	51	54
1/2"	0.060"	1/4"	3/4"	41	29	30	28	32	34	35	36	38	38	38	36	38	42	46	49	52	55	57

The informal Acoustical Performance test was made based on the following standards:

ASTM E 90, Standard Test Method for Laboratory Measurements of Airborne Sound Transmission Loss of Building Partitions

ASTM E 1332-10a, Standard Classification for Rating Outdoor-Sound Attenuation

\*Nominal Thickness – not for construction

†STC: Sound Transmission Class