BISCO™ HT-200

Sound Transmission Data

ASTM E-90 and ASTM E-413

	0.25 PSF			0.50 PSF			0.75 PSF			1.0 PSF			1.5 PSF		
FREQ	T.L.	C.L.	DEF.	T.L.	C.L.	DEF.	T.L.	C.L.	DEF.	T.L.	C.L.	DEF.	T.L.	C.L.	DEF.
100	8	0.17	0	15	0.33	0	16	0.23	0	19	0.33	0	20	0.40	0
125	7	0.12	0	12	0.27	0	14	0.29	0	14	0.24	0	15	0.26	0
160	7	0.19	0	12	0.26	0	13	0.32	0	17	0.38	0	18	0.32	0
200	8	0.33	0	12	0.32	0	15	0.37	0	16	0.35	1	19	0.31	0
250	8	0.31	1	14	0.42	1	17	0.36	1	19	0.42	1	21	0.43	1
315	8	0.31	4	13	0.40	5	18	0.28	3	19	0.36	4	20	0.37	5
400	10	0.31	5	15	0.32	6	19	0.34	5	20	0.30	6	23	0.34	5
500	11	0.31	5	16	0.35	6	20	0.35	5	22	0.36	5	24	0.32	5
630	13	0.27	4	19	0.33	4	22	0.29	4	24	0.29	4	26	0.34	4
800	14	0.28	4	21	0.28	3	24	0.30	3	26	0.28	3	28	0.31	3
1000	16	0.24	3	22	0.24	3	25	0.27	3	28	0.28	2	30	0.28	2
1250	17	0.19	3	24	0.24	2	27	0.28	2	30	0.25	1	33	0.27	0
1600	19	0.21	1	26	0.19	0	29	0.21	0	32	0.23	0	34	0.28	0
2000	21	0.18	0	27	0.21	0	30	0.19	0	33	0.18	0	36	0.19	0
2500	22	0.16	0	29	0.18	0	32	0.17	0	34	0.18	0	38	0.23	0
3150	23	0.12	0	31	0.15	0	34	0.14	0	36	0.15	0	40	0.18	0
4000	25	0.10	0	31	0.11	0	36	0.10	0	38	0.11	0	41	0.12	0
5000	27	0.10	0	32	0.12	0	37	0.08	0	40	0.10	0	43	0.11	0
STC	16			22			25			27			29		

FREQ.= Frequency, Hertz, (cps) - T.L.= Transmission Loss, dB
C.L.= Uncertainty in dB for a 95% confidence limit - DEF. = Deficiencies, dB<STC Contour
STC= Sound Transmission Class

Flame Spread, Optical Density and Oxygen Index

ASTM E-162, ASTM E-662 and ASTM D-2863

Identification	0.5 PSF	1.0 PSF	1.5 PSF	Specified Max.
Is	5	12	10.2	25
Ds Flaming	62	74	94	100
Ds Non-Flaming	19	22	28	100
Oxygen Index, %	50.2	N/A	N/A	N/A

Is= Flame Spread Index - Ds= Specific Optical Density after 4.0 Minutes

O.S.U. Heat Release Results

	0.25 PSF	0.5 PSF	1.0 PSF	Unit of Measure

Peak Release	70.7	95.9	87.60	KW Min/Sq. M
Average Total Release	47.3	91.5	50.70	KW Min/Sq. M

Specified Max must be met in both peak and total release rates and expressed as a ratio peak/average total release over a two minute duration.

The above data represents typical values. It is not intended to and does not create any warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose. The relative merits of materials for a specific application should be determined by your evaluation.

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