

SOUND-STOP FOAM COMPOSITE Pipe Lagging Insertion Loss testing report

ASTM E1222

Sound-Stop Foam Composite is an excellent cost-efficient material for reducing unwanted sound through pipes, compressor bays and any area where noise needs to be absorbed and blocked. It can be cut easily with a Stanley knife. The product has a dense and flexible mass layer which provides excellent sound reduction properties. The foam decoupling layer breaks the vibration path between the substrate and the mass barrier, this allows the vinyl wrap to remain flexible which in turn vibrates and dissipates the noise energy into heat energy.



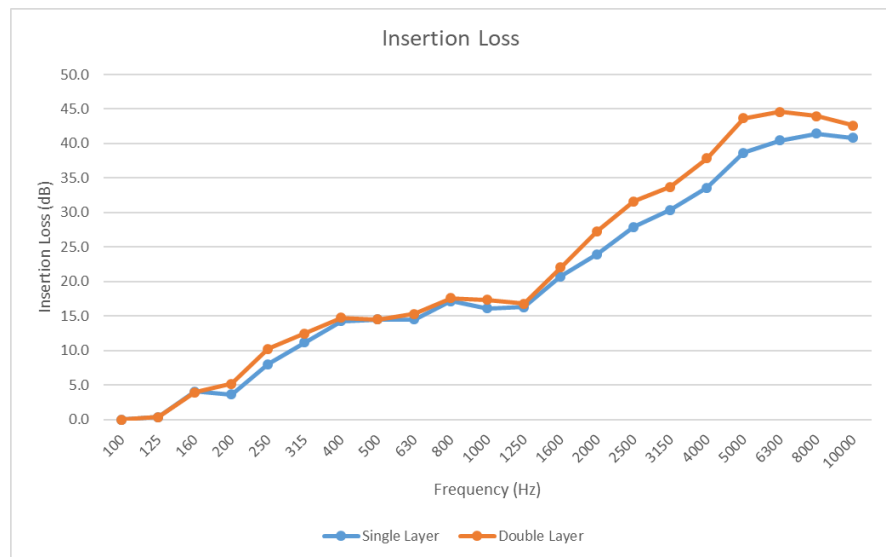
Technical Information for Sound-Stop 5

- **Roll Dimensions:** 1m x 2m
- **Rw/ STC:** 24
- **NRC:** .6
- **Thickness:** 28mm
- **Colour:** Black/Green
- **Sold by:** The Roll
- **Type:** Non-reinforced
- **Weight:** 4Kg per sq. meter
- **Tensile Strength:** 300 PSI
- **Service Temperature:** -20 deg. C to 70 deg. C



MEASURED INSERTION LOSS – (TEST DEPICTS THE MEASURED NOISE REDUCTION OF A PIPE WRAPPED WITH ONE AND TWO LAYERS OF SOUND STOP FOAM COMPOSITE)

Frequency (Hz)	Single Layer	Double Layer
100	0.0	0.0
125	0.4	0.4
160	4.1	4.0
200	3.7	5.2
250	8.1	10.2
315	11.2	12.5
400	14.3	14.8
500	14.5	14.5
630	14.6	15.3
800	17.2	17.6
1000	16.1	17.4
1250	16.3	16.8
1600	20.7	22.0
2000	24.0	27.3
2500	27.9	31.7
3150	30.4	33.7
4000	33.6	37.9
5000	38.7	43.6
6300	40.5	44.6
8000	41.4	44.0
10000	40.8	42.6



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