



3M™ Flexile Acoustic Material FAB/SF Series

Technical Data Sheet



Product Description

3M™ Flexile Acoustic Material FAB/SF Series is a decoupled product made from 3M™ Flexile Acoustic Material FAB Series and 3M™ Thinsulate™ Acoustic Insulation SF Series.

3M™ Flexile Acoustic Material FAB/SF Series leverages the innovative 3M Flexile Acoustic Material (FAM) technology and microfiber technology to offer acoustic performance beginning at 200 Hz.

Applications

The 3M FAB/SF Series can be used in interior and exterior applications to reduce cabin noise. These products are excellent for treating difficult to address frequencies because they offer acoustic performance beginning at 200 Hz without compromising acoustic performance at higher frequencies. Typical applications could include wheelhouse liner, wheel arch silencer, instrument panel, tunnel and HVAC duct, fender liner and quarter trim panel.

Typical Physical Properties

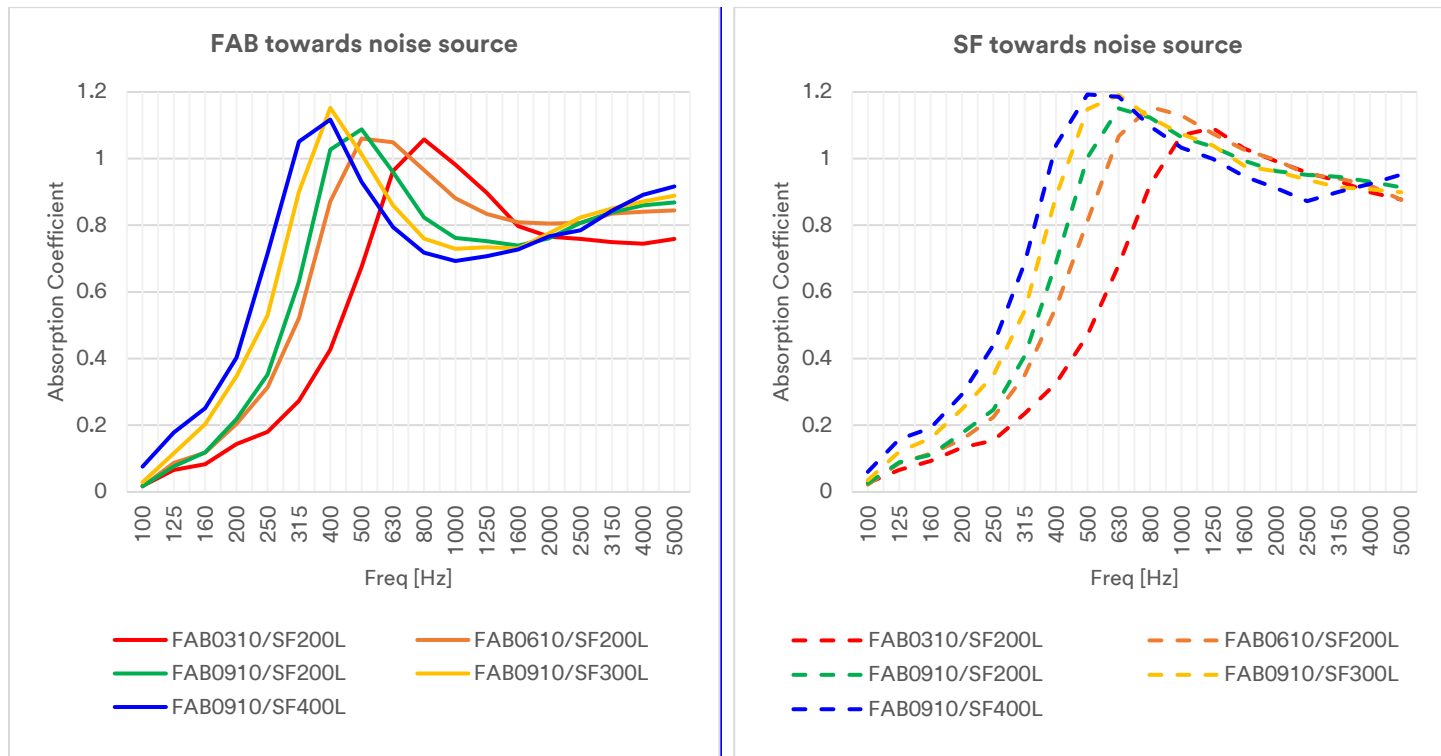
Note: The following technical information and data is based upon limited 3M testing conditions and should not be used for specification purposes. Data in the table below is based on roll goods.

Physical Property	Basis Weight ^A	Thickness ^B	Flammability (FMVSS302)	Scrim
3M FAB0310/SF200L	613 gsm	17.5 mm	Pass	Black/Black
3M FAB0610/SF200L	913 gsm	23.0 mm	Pass	Black/Black
3M FAB0910/SF200L	1143 gsm	25.0 mm	Pass	Black/Black
3M FAB0910/SF300L	1243 gsm	33.0 mm	Pass	Black/Black
3M FAB0910/SF400L	1343 gsm	38.0 mm	Pass	Black/Black

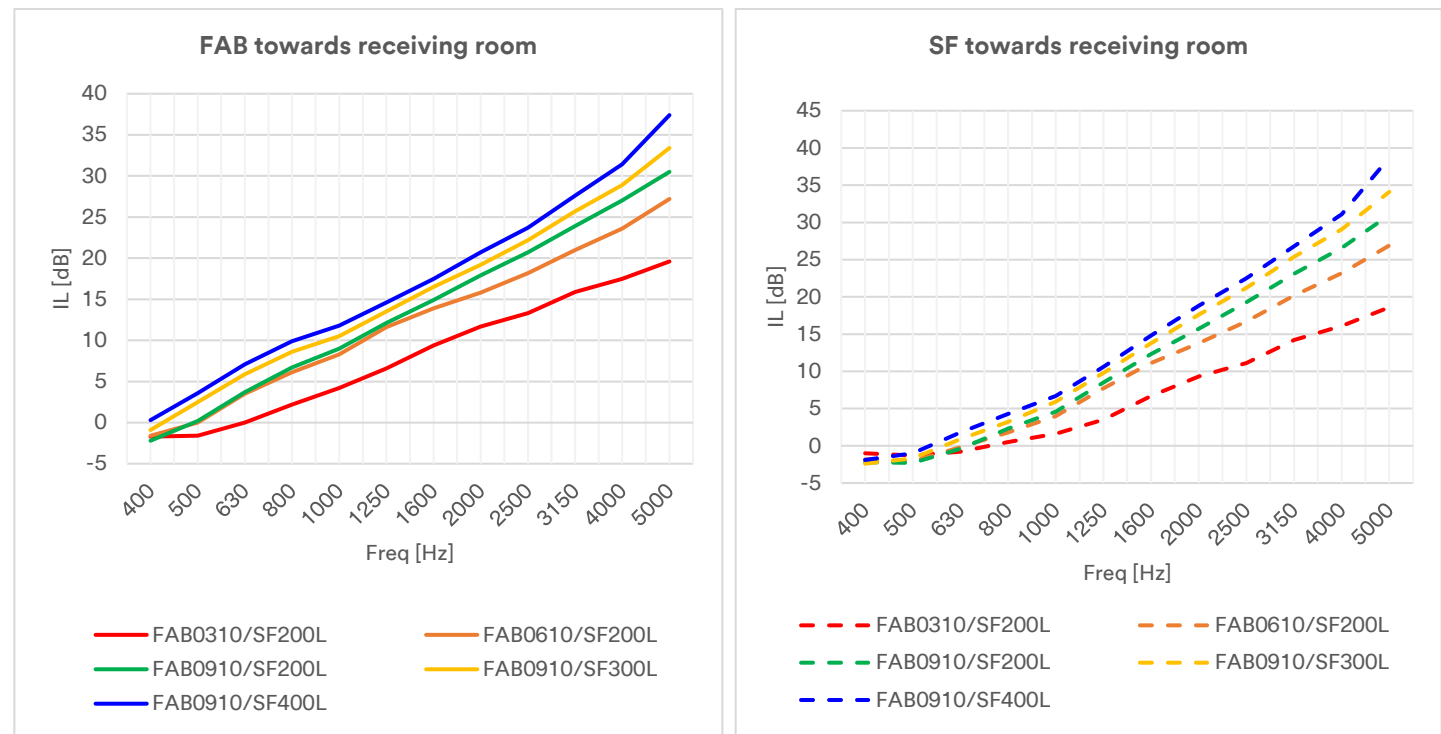
^A Weight is the mass per unit area of the entire absorber composite.

^B Nominal thickness is a representative value based on the sum of nominal thickness of the respective 3M FAB Series and Thinsulate™ SF Series products. 3M FAB Series is measured using a 12.125 in² plate with 0.0142 psi (= 98 N/m²) and Thinsulate™ SF Series is measured using a 12.125 in² plate with 0.002 psi (= 14 N/m²) applied to the sample per SAE J1355.

Random Incidence Acoustic Absorption Coefficient per ASTM C-423



Random Incidence Insertion Loss per ISO15186-1



Note: 0.8 mm, 7.69g/cm³ steel panel was facing the noise source room and used in the insertion loss calculation

Regulatory Information

Please refer to the product label and Safety Data Sheet (SDS) for health and safety information before using.

Contact Information

The information provided in this technical document is intended as a guide for these products. For more information or help in selecting a 3M product for an application, please contact your 3M technical service representative or call 1-800-328-1684.

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