



3M™ Thinsulate™ Acoustic Insulation AUXX04-6 Series

Technical Data Sheet



Product Description

3M™ Thinsulate Acoustic Insulation AUXX04-06 Series is a non-woven, compressible, lightweight material and can be easily die-cut that is designed for excellent sound absorption in automotive applications. Thinsulate AUXX04-6 Series has improved absorption performance compared to current 3M™ Thinsulate™ Acoustic Insulation AU and TAI Series products at the same weight and thickness.

Thinsulate AUXX04-6 Series is made of a web and a black scrim on one side. The web is composed of 38% recycled polyester staple fibers, and 62% polypropylene fibers. The polypropylene fibers are extremely fine, producing the high-energy absorption characteristic with the low weight. Polyester fibers are added to strengthen the web. The black scrim is a 100% polypropylene non-woven fabric.

3M Thinsulate Acoustic insulation AUXX-04-6 series is designed to consist of at least 30% recycled content.

Application

Typical applications include inside door panels, instrument panels, pillar trim, package trays, or wheel arch liner.

Can be attached to trim panels by ultrasonic or heat spot welding. Adhesives (double sided pressure sensitive tapes or hot melt) may also be used for attachment. It can be processed by conventional techniques such as die-cutting and heat sealing. This material is water repellent. 3M AUXX04-6 Series meet emission and odour requirements for most OEMs in EMEA. The material is not recommended for applications where temperatures will be continuously above 120°C

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. The data in the table below is based on roll-good material.

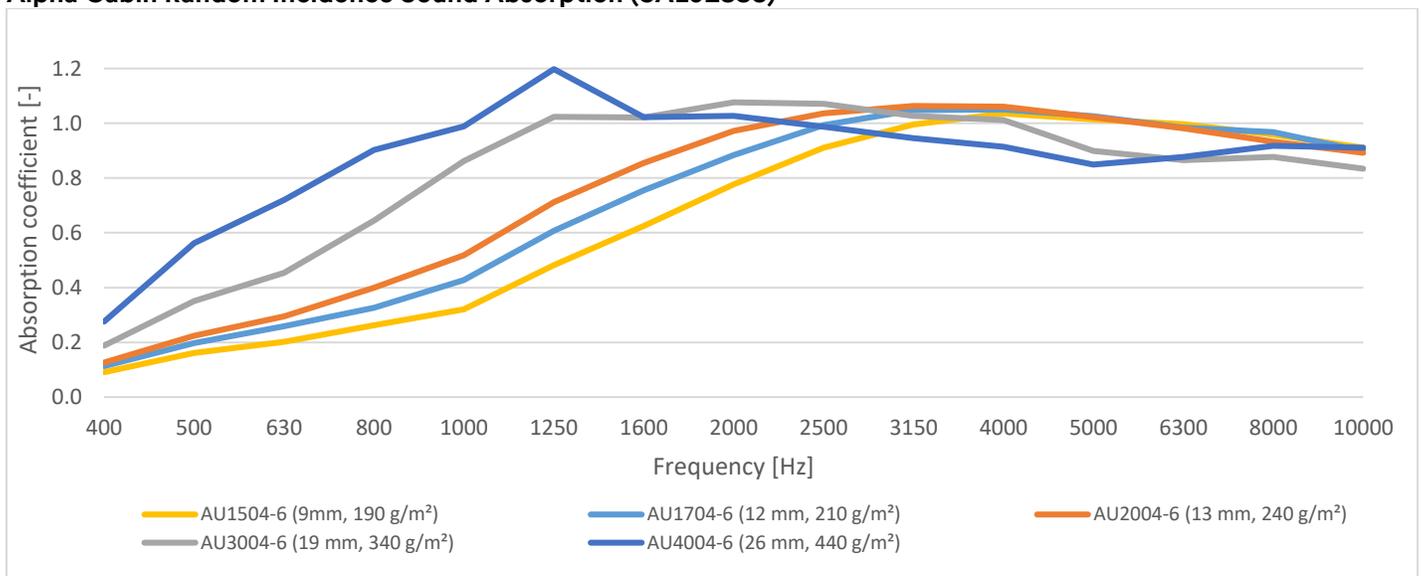
Physical Property	Basis Weight ^A	Thickness ^B	Flammability (FMVSS302) ^C	Scrim
Thinsulate AU1504-6	190 g/m ²	9.0 mm	SE/NBR	Single Black
Thinsulate AU1704-6	210 g/m ²	12.0 mm		
Thinsulate AU2004-6	240 g/m ²	13.0 mm		
Thinsulate AU3004-6	340 g/m ²	19.0 mm		
Thinsulate AU4004-6	440 g/m ²	26.0 mm		

^A Basis Weight is the mass per square meter of the entire absorber composite.

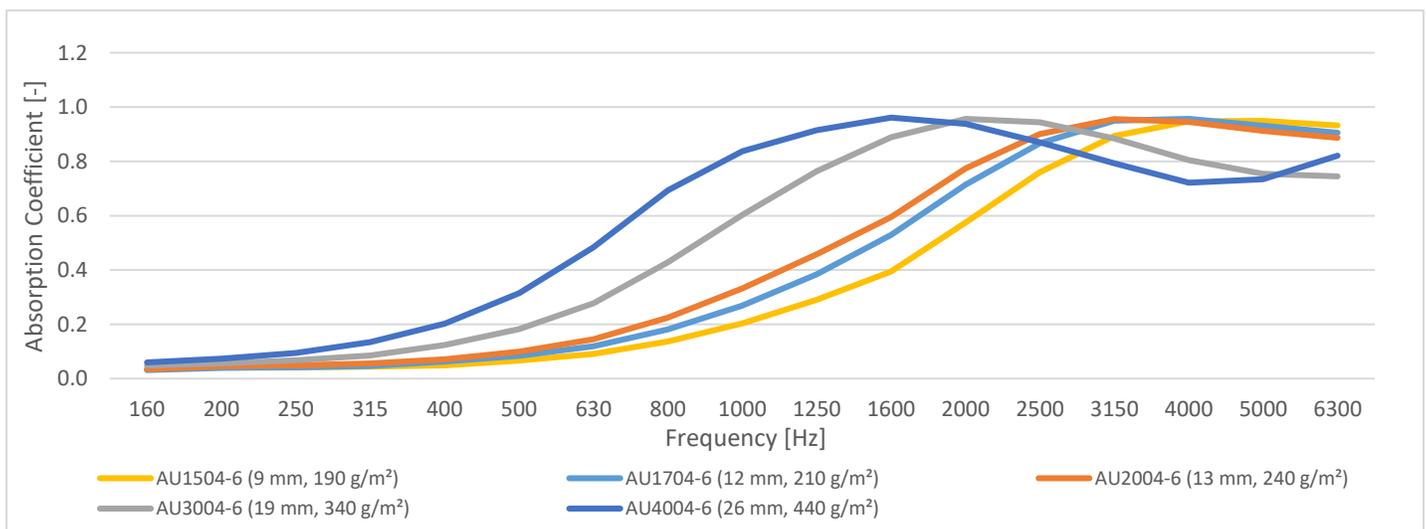
^B Nominal thickness is measured with 0.002 psi or 14 N/m² applied to the sample per SAE J1355.

^C Self-extinguishing / No burn rate

Alpha Cabin Random Incidence Sound Absorption (SAEJ2883)



ASTM E1050 Normal Incidence Note: test was performed with the black scrim facing the noise source



Regulatory Information

Please refer to the product label for health and safety information before using.

Contact Information

The information provided in this technical document is intended as guidance 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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