



## Material Specification Sheet

**Material Number:** A83

**Description:** Customizable Flexible Porous PET Vertically Lapped Nonwoven Thermo-Acoustic Insulation (up to 150°C)

**Summary / Applications:** SonusTex-A83 is suitable for automotive / commercial vehicle interiors in the following applications: behind trim, engine compartments. It is also used for insulation in the bus and railcar industries, as well as noise enclosures in industrial applications.

### Typical Physical Properties:

Property	Test Method	Value
Composition		100% PET nonwoven thermally bonded (black color)
Facing		0.7 mil reinforced aluminum foil (micro-perforated and non-perforated)
Facing Emissivity	ASTM E408	0.02 – 0.05
Available Surface Density	SAE J1355	175 – 2000 gsm
Thickness	SAE J1355	Up to 75 mm
Maximum Service Temperature	Heat soak, 42 days, inspect material	150°C
Thermal Conductivity	ASTM C518	0.26 BTU.in/hr./ft <sup>2</sup> at 22.5°C
Flammability	FMVSS302 SAE J369 UL2200 ASTM E162 ASTM E662 Bombardier SMP 800-C	0 mm/min, self-extinguishing SE/0 UL200 Certified (ULFTR2) Flame Spread- FSI 5 Smoke Development- SDI 14 Toxicity-Compliant
Mildew Resistance	7 days at 98% & 38°C	No mildew
Mold Growth Resistance	ASTM D3273	No mold growth
Fungal Growth Resistance	ASTM G21	No fungal growth
Chemical Resistance	Soak for 24 hrs and inspect material	No degradation

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