

ABA-111S Noise Barrier/Sound Absorber Composite

The barrier septum configuration offers the benefits of both sound absorption and noise barriers. The ABA-111S consists of a non-reinforced 1-lb psf loaded vinyl barrier sandwiched between two 1" thick absorbers faced with a silicone-coated-fiberglass-cloth. Curtain panels are constructed with grommets across the top and Velcro along the vertical edges. Rolls are available 4' wide x 25' long and can be supplied with edges bound or unbound.



- Class A (or 1) flammability rated per ASTM E84
- Available colors: gray
- STC rating 29

Applications:

Typical uses include curtain panels in acoustical curtain enclosures. Also used as separator walls or divider partitions. Commonly used to line the perimeter walls of a building. Silicone faced composites are used where the product will be subjected to high temperature, sunlight, water or oil. Also used where UV resistance is required.

Product Data

| | |
|--------------------------|---|
| Description | Silicone coated fiberglass cloth facing on 1" quilted fiberglass / 1lb-psf non-reinforced loaded vinyl barrier/ silicone coated fiberglass cloth facing on 1" quilted fiberglass |
| Flammability | Flame Spread: 4.017 Smoke density: 19.209 |
| Nominal thickness | 2.08 inch |
| Temperature range | -90° to +550° F |
| Standard width | 48" wide |
| Roll length | 25' long |
| Weight | 1.5 lb psf |

Acoustical Performance:

Sound Transmission Loss

| Product | OCTAVE BAND FREQUENCIES (Hz) | | | | | | STC |
|----------|------------------------------|-----|-----|------|------|------|-----|
| | 125 | 250 | 500 | 1000 | 2000 | 4000 | |
| ABA-111S | 12 | 16 | 27 | 40 | 44 | 43 | 29 |

ASTM E-90 & E 413

Sound absorption Data

| Product | OCTAVE BAND FREQUENCIES (Hz) | | | | | | NRC |
|----------|------------------------------|-----|-----|------|------|------|-----|
| | 125 | 250 | 500 | 1000 | 2000 | 4000 | |
| ABA-111S | .19 | .99 | .96 | .80 | .57 | .33 | .85 |

ASTM C 423

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