

### Loaded Vinyl Barriers

031117, 031119

Low-cost vinyl barriers offer superior noise-blocking over a broad frequency range at a minimum thickness, yet are tough and flexible. Excellent water, petroleum and chemical resistance. Use as suspended barrier, enclosing a noise source or adding to existing barrier.

#### Applications include:

- Dry wall and stud construction
- Ducts
- Power generation
- Gear boxes
- Power transmission units



### Specifications and Physical Properties

#### Barrier Typical Properties:

Property	Test Method	Average Value
Gauge, mils Product Number: 031117	Calculation	55
Gauge, mils Product Number: 031119	Calculation	110
Specific Gravity	ASTM D 792	1.70
Hardness, Shore A sq.	ASTM D 2240	81
Stiffness, Mpa	ASTM D 747	21
Tensile, psi	(MD) ASTM D 412	550
	(AMD) DIE C	15
Elongation,%	(MD) ASTM D 412	125
	(AMD) DIE C	45
Tear strength, lbs./in.	(MD) ASTM D 624	104
	(AMD) DIE C	9
Shrinkage, %	300° F for 15 min.	3.5
Cold flex	1 in. Mandril @-4° F	Pass
Flame resistance	FMVSS 302	Pass

#### Sound Transmission Loss (dB):

Frequency (cycles/second)	125	250	500	1K	2K	4K	STC
031117	5	11	15	21	26	32	20
031119	13	17	21	28	33	40	26
Per ASTM E-90-75, ASTM E413-75							

