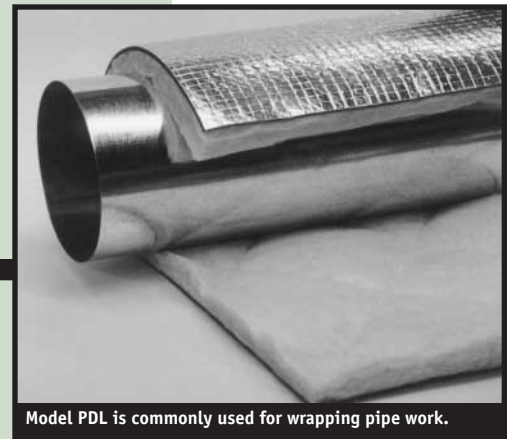


SOUNDSCREEN™ Acoustical Pipe, Duct, and Casing Lag

a McGill AirSilence™ Product



Model PDL is commonly used for wrapping pipe work.

Product Bulletin 4249

United McGill® products

Our Acoustical Pipe, Duct, and Casing Lag has Excellent Properties for Indoor or Outdoor Applications

The SOUNDSCREEN Pipe and Duct Lag series combines a loaded vinyl noise barrier with a fibrous glass scrim reinforced aluminum foil facing on one side.

Model PDL is commonly used for wrapping pipe work, ducts, valves, heat exchangers, and fan casings in a wide variety of indoor and outdoor applications. The entire series has excellent corrosion and outdoor weathering resistance, high strength, and excellent conformability. The reinforced foil facing readily accepts a matching tape for quick and easy installation.

Model PDL is available in combination with a nominal 1-inch-thick (PDL-3) or 2-inch-thick (PDL-9) quilted fiberglass decoupler on the back to form a tight fitting “floating” noise barrier. The quilt decouples the vinyl barrier from the noise emitting surface achieving greater noise reduction. The one-step installation of both decoupler and barrier substantially reduces installation cost. This composite combination also provides thermal insulation to reduce energy consumption.

Applications

- Noisy pipes
- Duct work
- Heat Exchangers
- Valves
- Custom acoustical jackets
- Fan casings
- Pumps

Features

- STC ratings of 26-32
- Easy to cut and install
- Accepts matching tape
- Good corrosion resistance
- Non-lead
- Passes FMVSS 302, UL-94V
- High and low temperature applications
- Quilted fiberglass de-coupler available
- Meets Class A flammability rating

The one-step installation of both decoupler and barrier offers substantially lower installation costs.

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Acoustical Performance

Model	Sound Transmission Loss (dB)/Center Frequency (Hz)						STC
	125	250	500	1K	2K	4K	
PDL	15	16	21	26	33	38	26
PDL-3	18	18	23	30	39	46	29
PDL-9	18	20	29	40	50	55	32

ASTM E 90-75, E 90-90, and E 413-73

Physical Properties

Product	Weight (lb/sq ft)	Thickness	Service Temp. (°F)	Tensile Strength (psi)	Tear Strength	Elongation (%)	R-Factor
PDL*	1	0.090"	-10 to +180	400	72	40	—
PDL-3**	1.2	1"	-20 to +400	—	—	—	4.0
PDL-9**	1.4	2"	-20 to +400	—	—	—	8.0

* Barrier Only ** Barrier and Decoupler

Flammability Properties

PDL Barrier	UL 94: Meets VO; FMVSS-302: Pass
PDL Decoupler	E-84 “Surface Burning Characteristics of Building Materials: Meets Class A Rating: Flame Spread Index = 12.5 Smoke Density Index = 19.5

Product Availability

Model	Roll Width	Roll Length
PDL	54"	60'
PDL-3	54"	30'
PDL-9	54"	30'
Matching Tape	3"	150'

Products depicted in this specification sheet were current at the time of publication. As a quality-conscious manufacturer, McGill AirSilence is continually seeking ways to improve its products to better serve its customers. Therefore, all designs, specifications, and product features are subject to change without notice.

McGill AirSilence LLC

An enterprise of United McGill Corporation — Founded in 1951

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