

Performance

Acoustec foamed rubber engineered and designed specifically for sound absorption, and vibration damping. The complex open cell structure is excellent for the barrier of sound frequency (transmission) and effectively controls noises at a broad range of frequencies. The higher density foam structure and asymmetrical pore structure means that it absorbs **50%** more sound when compared regular nitrile open cell foams.

Acoustec's performance acoustic foams can replace traditional materials whilst using lower thicknesses. Available in various sizes, users can customize their applications to suit their own needs.

Environment

Acoustec's versatile foam delivers optimal performance without the use of fibres and wools that could be harmful for health. The foam also does not contribute to mold or fungal growth in high moisture environments which could lead to health and safety issues.

Applications

- HVAC industries such as duct liners, fan coil units air handling units and chiller systems
- General industrial uses such as pipes, vibrating machines, plant rooms, etc.
- Other uses such as enclosures like complexes, sound proof rooms, etc.

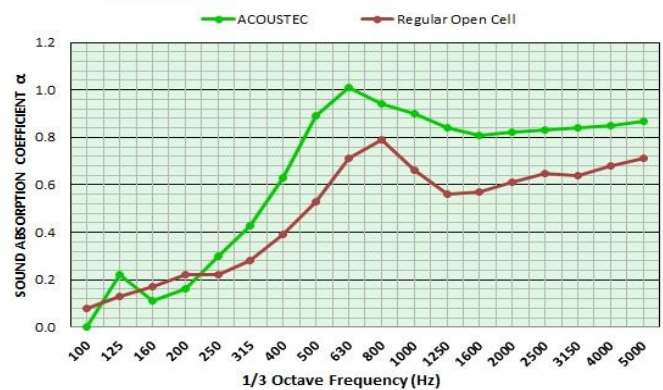
Advantages

- Easy to install and fabricate
- No hassles of fibers and fungal growth
- Effective noise control and thermal insulation
- Good resistance to abrasions and mineral oils
- Wide variety of thicknesses to suit all applications

Technical Specifications

	Values	Test Methods
Material	Open Cell Elastomeric Foam	
Base Colour	Black	
Density	220 kg/m ³ -360 kg/m ³ (± 60 kg/m ³)	
Service Temperature	-50°C to 85°C	
Thermal Conductivity	Mean Temp	0°C 20°C 40°C
	W/m·K	≤ 0.051 ≤ 0.053 ≤ 0.055
Fire Classification	Class 1	ASTM C518 ASTM C177
Ducting Erosion Resistance	>8125 fpm	BS476 part 7
Elongation	130% ± 20%	ASTM C1071
Tear Resistance	500 N/m ± 150 N/m	ASTM D412
Environment	No fungal growth No mold growth Dust and Fibre Free CFC Free	ASTM G21 UL 181
	Low Volatile Organic Compounds (VOCs)	ASTM D5116
Acoustic Performance based on 1" (25mm) thickness	1/3 Octave Frequency	Sound Absorption Coefficient α
	250 Hz	0.30
	630 Hz	1.01
	800 Hz	0.94
	1250 Hz	0.84
	2500 Hz	0.83
	5000 Hz	0.87
NRC	0.75	ASTM C423

ACOUSTEC Comparison with Regular Open Cell



Thickness		Size		Pcs per Carton
Inches	mm	Metres		
3/8"	10	1.00 x 0.95		26
1/2"	13	1.00 x 0.95		20
5/8"	16	1.00 x 0.95		16
3/4"	19	1.00 x 0.95		14
1"	25	1.00 x 0.95		10
1 1/4"	32	1.00 x 0.95		8
1 1/2"	38	1.00 x 0.95		7
2"	51	1.00 x 0.95		5

- Available for thicknesses up to 10 inches (254mm) please contact our staff for more details

Authorised
Distributor:



Cert. No. 402987



Cert. No. KL.R0197083

SUPERLON[®]

Made in Malaysia by:
Superlon Worldwide Sdn. Bhd.

Lot 2567 Jalan Sungai Jati 41200 Klang,
Selangor Darul Ehsan, Malaysia
Web: www.superlon.com.my | Email: inquiry@superlon.com.my
Tel: +603 3372-3888 | Fax: +603 3371-5888