

ACOUSTEC

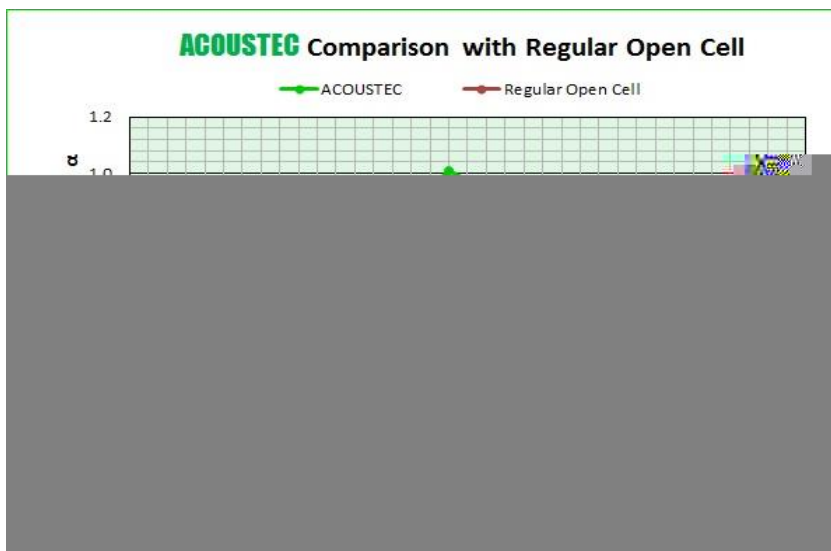
PERFORMANCE

ACOUSTEC foamed rubber engineered and designed specifically for sound absorption, and vibration dampening. 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 high 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.

ENVIROMENT

ACOUSTEC's versatile foam delivers optimal performance without the use of fibers 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, machines, plant rooms, etc.
- Other uses such as automotive applications and 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.

| Values | | | | Test Methods | |
|--|--|---|---------|--------------|------------------------|
| Density | 160 kg/m ³ - 220 kg/m ³ or 240 kg/m ³ - 360 kg/m ³ | | | | |
| Service Temperature | -50°C to 85°C | | | | |
| Thermal Conductivity | Mean Temp | 0°C | 20°C | 40°C | ASTM C518 ASTM C177 |
| | W/m·K | ≤ 0.040 | ≤ 0.043 | ≤ 0.047 | |
| Environment | No fungal growth | | | ASTM G21 | |
| | Dust and Fibre Free | | | | |
| | CFC Free | | | | |
| Acoustic Performance based on 1" (25mm) thickness | 1/3 Octave Frequency | Sound Absorption Coefficient α | | ASTM C423 | |
| | 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 | | | | |

| Thickness | | Size | Pcs per Carton |
|-----------|----|-------------|----------------|
| Inches | mm | Metres | |
| 3/8" | 10 | 1.00 x 0.95 | 20 |
| 1/2" | 13 | 1.00 x 0.95 | 15 |
| 5/8" | 16 | 1.00 x 0.95 | 12 |
| 3/4" | 19 | 1.00 x 0.95 | 10 |
| 1" | 25 | 1.00 x 0.95 | 8 |
| 1 1/4" | 32 | 1.00 x 0.95 | 6 |
| 1 1/2" | 38 | 1.00 x 0.95 | 5 |



SUPERLON®

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