Vibration Isolation Tile (VISH)

VISH tile is an elastomeric sheet of three layers made of rubber, having a typical size 500 mm x 410 mm x 13mm thickness with the middle layer having cylindrical holes of 7.5 mm diameter arranged in square pitch. These are mainly used for under water sound isolation applications. The tile is a perfect reflector of underwater sound in the frequency range of sonar operation and finds use in various sonar domes, under water telephones etc, wherever the sound isolation is important.

SALIENT FEATURES

- Use : Sound Isolation
- Standard Size : 500mm x 410mm x 13mm
- Density of Rubber : 1.35 g/cc
- Hardness : 57±3 Shore A
- Tensile strength : >15 MPa
- Under water Insertion loss, dB, at 3-25 kHz : 18-30dB
- Under water echo reduction, dB, at 3 -20 kHz : 1-3dB

AREAS OF APPLICATION

- Sound Isolation of SONAR compartments
- Underwater communication systems

STATUS

Technology available for transfer