

**EASTEK**

#EPI-PAL-SF5048c_mm

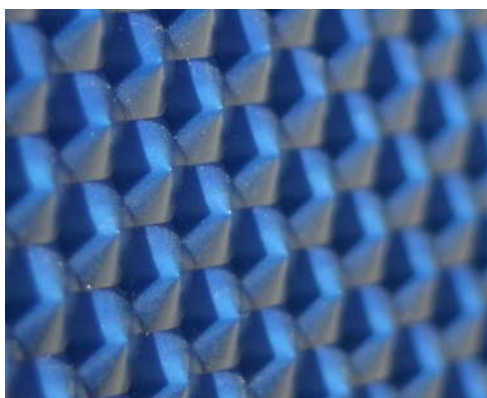
PRODUCT INFORMATION

低周波用

超音波音響吸収材AptFlex SF5048

Aptile SF5048... 反射を抑える表面デザイン!

Structured Absorbing Lining for Low Frequency Ultrasonic Test Tanks

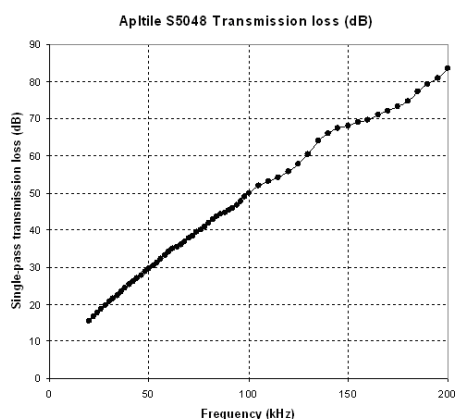


Aptile SF5048 は、反射抑制を高めるために NPL により設計された表面加工を施した単層吸収タイルです。特に、本製品は、20kHz～200kHz の比較的低い超音波周波数帯域での音響吸収に最適な特性を提供します。また、超音波試験用水槽の内張り等の大型用途に適しています。

Physical Specification...

- based on a polyurethane rubber material
- single ply with structured surface to reduce the acoustic reflections
- thickness of tile: 50 mm
- tile dimensions: 600 mm by 600 mm
- density: 2.1 gm/ml +/- 0.030
- tile weight: 35 kgs

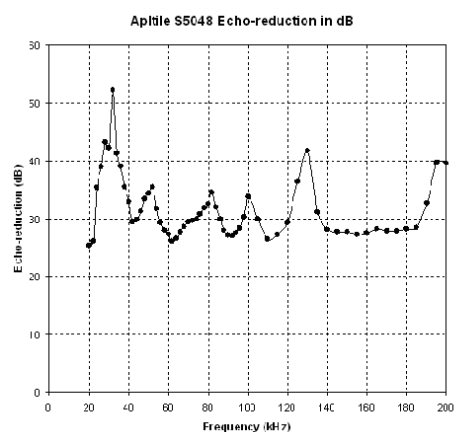
■ TRANSMISSION LOSS (TL)



This limits or affects the performance at low frequencies, as TL goes down with frequency. At 100 kHz, the single-pass transmission loss of a 50mm thick layer of the material is 50 dB, which means that the double pass (where the wave which goes through the tile, bounces off the tank wall & comes back out) is 100 dB

The transmission loss increases rapidly with frequency in the following way: 20kHz 15 dB single pass; 100 kHz: 50 dB single pass; 200 kHz: 80 dB single pass.

■ ECHO-REDUCTION (ER)



This limits or affects the performance of the tank-wall lining. Below 200kHz, the ER is better than -30 dB.

This product can be supplied in different thicknesses with the Transmission Loss being proportional to the thickness of the tile.

• Specifications is subject to change without notice.