



# Measuring chamber for hearing aids

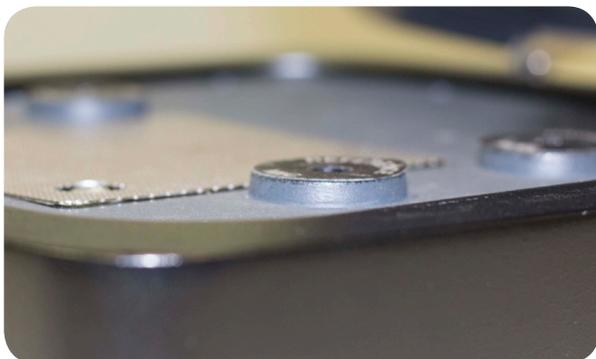
TBS10 – PUR cabinet for audiological equipment

*Produced for Benoto ApS*

Foamed  
PUR

**TINBY**

Snavevej 6-10, DK-5471 Søndersø, [www.tinby.dk](http://www.tinby.dk)  
Quality | Security of Supply | Technology | Competitive prices



## High-tech audiological equipment

Benoto ApS is an innovative company dealing with the development of high-tech audiological equipment – from basic units to high-end products. The company has customers all over the world. Tinby A/S has manufactured a range of different polyurethane cabinets for Benoto, which are, for instance, used as test environment for state-of-the-art audiological equipment.

## Highly sensitive electronics

One of these cabinets is TBS10, a box that has been designed for the testing of hearing aids. The cabinet was cast from rigid integral foam, which provides a soft core and a hard, non-porous surface. PUR is extremely resistant to external impacts and thus shields the sensitive electronics against ambient interference.

## Freedom of design

TBS10 consists of three parts, each cast in its own specially made aluminium mould. Each part has its own complex design details which ease the assembly of the box and give the test chamber a unique design and an elegant surface finish. The parts are varnished in different colours, structures and lustres. This provides the cabinet with an aesthetic and functional appearance that matches the modern technology it is used for. The items are cast in small series which is possible using polyurethane because of the rather low costs for production tools.

## What the customer says

“A test chamber for hearing aids is, in principle, a loudspeaker cabinet. These cabinets are often made as a square box from MDF plate. PUR has many of the same acoustic properties as MDF and, in addition, the flexible PUR gives us great freedom of design, e.g. the possibility to cast a lot of details – which is difficult or even impossible when we use MDF. And this is precisely one of the reasons why we wanted to produce the test chamber from PUR. We were not disappointed for the result was impressive, and Tinby A/S delivered a high-quality product.”

Stefan Bengtsson, CEO, Benoto ApS  
[www.benoto.dk](http://www.benoto.dk)

**benoto**

## Facts about the polyurethane in TBS10

- 600 g/l rigid integral foam
- Stable sandwich construction with low density
- Impact resistant and protective
- Varnished in different colours, structures and lustres
- In compliance with REACH and RoHS regulations according to 2002/95/EC and 2011/65/EU, and does not emit phthalates



Foamed PUR is used, for instance, for cabinets for electronics, instrument boards, covers, lids or basins – a variety of options