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# Sonic Labs Product Catalogue

2015

**This is the Sonic Labs products catalogue listing the complete range of products. The catalogue lists the standard ear insert products manufactured by Sonic Labs.**

**For product prices please refer to the price list that relates to your sector; NHS, Private dispensers and Business. Request your copy from the Sonic customer support or your account manager.**



Contact customer support on [support@soniclabs.co.uk](mailto:support@soniclabs.co.uk)

Sonic Labs is committed to provide the highest product quality at very competitive prices. We maintain a wide product range, consistently high customer service standards, ISO 9001:2008 compliant procedures and reliably speedy turn around times.



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Sonic Labs specialises in the manufacture and supply of custom made ear inserts for hospitals, private clinics and to businesses across the UK.

## NHS Supply Chain

We offer custom made ear-inserts for a wide range of applications including sports and leisure earmoulds, musicians, broadcasting, noise protection, personal music players and earmoulds for use with hearing aids.



We understand earmould users and always ensure our products fit their lifestyle needs. If there is an item you are looking for that is not included in this catalogue please let us know and we will do our best to meet your needs.



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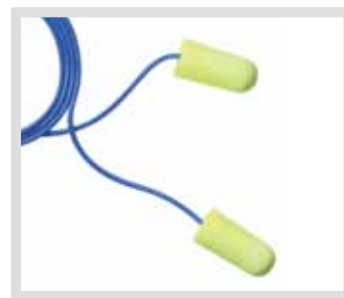
## What is an Earmould?

Earmoulds are precise, custom made ear-inserts that provide comfortable and highly effective sound transmission or sound blocking for a variety of specialist applications. Sonic Labs manufactures earmoulds for all work and leisure applications as well as for hearing impaired customers.

Just as your eyes need a custom approach to correct vision, your hearing can be improved or adapted with personally fitted ear inserts. Wearing generic ear plugs for any length of time can be uncomfortable or ineffective. A well made custom earmould can provide a very comfortable long lasting solution.



Generic Earplugs



Sonic Labs is able to provide the complete range of earmould products finished with a customised fit for each customer. Years of experience has produced a custom Sonic Fit that no other earmould manufacturer can offer, providing the highest level of comfort, acoustic sealing and product longevity. There are specific significant advantages in using earmoulds and not earplugs with hearing aids. The best acoustic coupling can be achieved while providing a comfortable place for the hearing aid to sit on the pinna of the ear. The earmould also provides an extra level of control of acoustic signal transmitted to the ear. A custom fitted earmould also allows easy insertion and removal for all ages of user.



A selection of Sonic Labs Earmoulds



## Choosing your Earmould

In most cases, selecting the right earmould comes down to the users personal preference. There are certain types of earmould that are more appropriate for profound hearing loss and other that are better suited to mild hearing loss. We provide all combinations of mould designs and materials to suit all kind of hearing loss.

<i>Type of hearing loss and best suited Earmould designs</i>			
Earmould Design	Type of Hearing Loss		
	Mild	Moderate	Severe to Profound
Receiver (Solid)		✓	✓
Shell	✓	✓	✓
Half Shell	✓	✓	
Canal	✓	✓	
Canal Lock	✓	✓	
Skeleton	✓	✓	
Half Phantom	✓	✓	
Silicone			✓
Open Moulds	✓		

When choosing the right earmould one must take the following options into account:

1. The age and sex of the patient
2. Level of dexterity
3. Ear texture
4. Allergies
5. The type of hearing aid and its power
6. Required seal
7. Acoustic amplification objectives
8. Cosmetics

Following these considerations the choice of material, design, tubing and custom options can be made.

Sonic labs can provide expert advice in making these choices, so please don't hesitate to contact us for assistance.





## General recommendations

### Older and younger patients

Sonic Labs recommends high shore strength for older patients as they are easier to fit in the ear. For the younger patients low shore strength materials or softer materials are easier to insert and more comfortable.

### Allergies

For people with sensitive skin we would recommend the choice of heat cured acrylic. For extremely sensitive skin a gold plated earmould is recommended.

### Activities / Required seal

Softer moulds are an advantage when playing sports as they help to prevent injury. The softer materials are better at maintaining a seal during jaw movement, like talking and chewing.

### Cosmetics

Sonic Labs offers a range of custom optional extras like marble colour effect, glitter and embedded images. We are also able to provide nonstandard optional extras like one off designs and one-off customisations on request.



A selection of Sonic Labs Glitter Earmoulds



## Earmould Materials

The earmould can be manufactured from a wide range of materials depending on intended use and the patient's personal preference.

Earmoulds materials range in hardness, elasticity, colour and non-allergenic properties and every earmould can be tailored using these options to meet the needs of the earmould user. Please refer to the customisation section to see the full range of colours available.

### Hard Acrylic (PMMA)

Hard acrylic is cosmetically appealing, produces a nice smooth finish. It's the most commonly used material and can be produced in the widest variety of colours. Moulds made from hard acrylic are the easiest to modify at the point of fitting. Hard acrylic is the most cost effective choice in material.

### Soft Acrylic (PEMA)

Soft acrylic is cosmetically appealing like hard acrylic but it softens with the body temperature. Soft acrylic is available in the same wide range of colours as hard acrylic. Due to the increase in material softness the mould adjusts more to the ear canal resulting in a more comfortable fit. This also results in an improved acoustic seal compared to hard acrylic.

### Hard and Soft Acrylic combined

This combination, where the tip of the earmould is made of soft acrylic is a popular choice as it combines the cosmetic properties and ease of fitting of hard acrylic with added comfort and acoustic sealing of soft acrylic.

### UV Light cured

Fotoplast is a trade name of Dreve GmbH and is cured using ultra-violet light.

This material does not contain methyl methacrylate (MMA) and as a result is more bio-compatible than hard and soft acrylic. This material produces a hard earmould similar to hard acrylic.

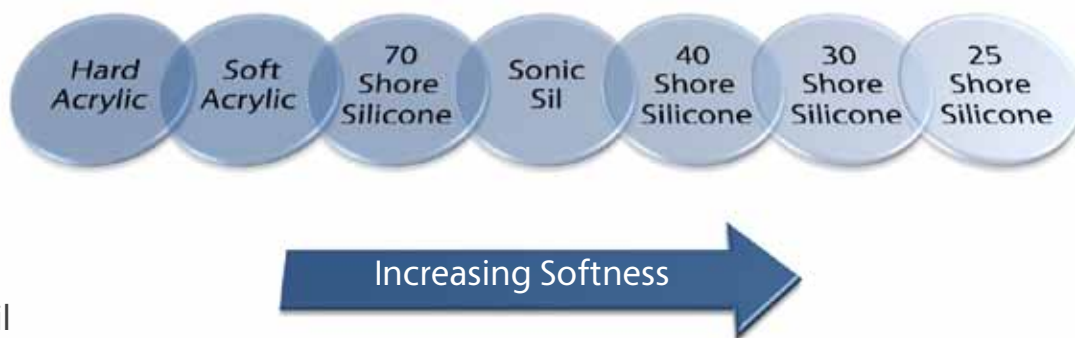




## Earmould Materials continued...

### Silicone

Silicone makes the most comfortable moulds while also providing an excellent acoustic seal and reducing the likelihood of an allergic reaction. There are 4 types of standard silicone each with different properties, rated using the "shore" rating system. Starting at **25 Shore** for an extremely soft mould, and increasing to **70 shore** (softer than Soft Acrylic). Silicone materials should be chosen by their shore strength to match the requirements of the patient.



### Sonic Sil

Sonic Sil is **Sonic Labs exclusive material**. Sonic Sil is rated with a shore strength of 42, providing an optimum balance between standard silicone and acrylic materials. This material is ideal for all ages and all types of hearing loss due to the uniqueness of the shore strength.

Sonic Labs have chosen to use this fine grade material as its widely used for Maxillo-facial prosthesis and has excellent **Biocompatibility**, reducing the likelihood of an allergic reaction.

Sonic Sil can be produced in a wide range of colours.

### MicroFlex

Micro-flex silicone is a trade name from Frish GmbH and is the most commonly used silicone earmould material. Microflex is rated as 30 shore (very soft) and is highly suitable for children. MicroFlex is available in a range of colours.

### Micropor

Micropor silicone is a trade name from Frish GmbH and is a harder 70 shore material, more suitable for older patients. As standard this material has a matt finish, though a gloss finish is available. Micropor earmoulds are available in a range of colours.



## Earmould Materials continued...

### Biopor

Biopor silicone is a trade name of Dreve GmbH and is available in 20, 25, 40 and 70 shore. We provide all shore strengths and colours available from Dreve.

### Bioplast

Bioplast silicone is a trade name of Detax GmbH and is available in 40 and 60 shore rating.

### Silastic

Silastic silicone is a trade name for Dow Corning and is available in a crystal clear material only. It has a shore strength rating of 30 shore.

### Catamaran

Catamaran is produced by Frish GmbH and due to its low density is specially formulated to float in water. This material is generally used for water sports and swimming.

### Gold plated earmoulds

Gold plating a hard acrylic earmould provides the most non-allergenic option for those with very sensitive skin. This is the most suitable choice when all other materials have been exhausted.

### Thermotec earmoulds

Thermotec is a newly developed Polyurethane based material that does not contain PMMA. This offers the user a highly non-allergenic material in a soft mould. Thermotec is a durable and long lasting material.

### Titanium earmoulds

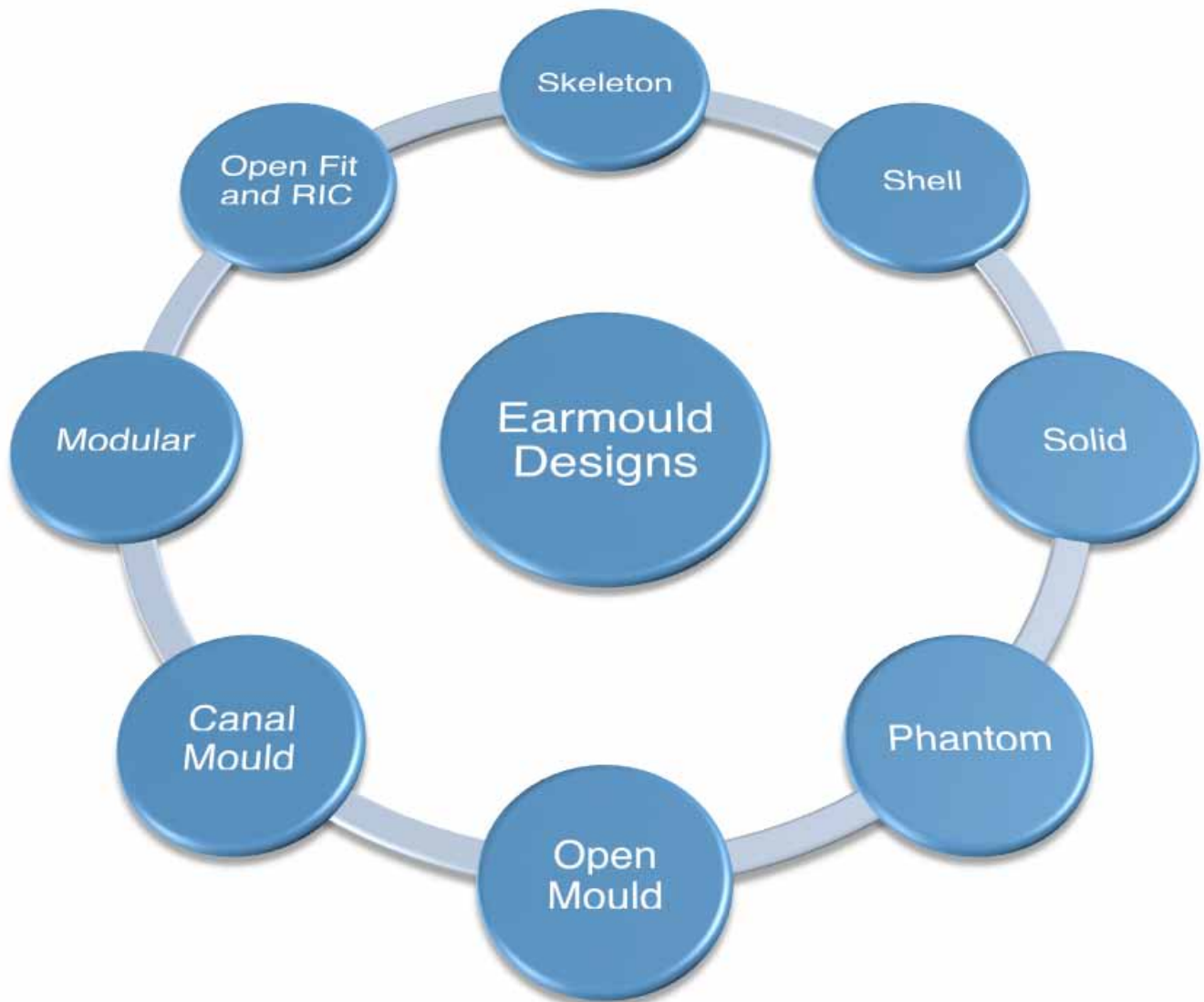
Titanium is the ultimate non-allergic material highly bio-compatible. The result is a lightweight earmould which is hard and very lightweight. A medical grade alloy used, identical to body and dental implants.



## Earmould Designs

Earmoulds come in lots of different designs depending on their intended use. The design of an earmould depends on the type of hearing loss, the age of the user and, to a certain extent, the personal preference of the end user. Sonic Labs provides a wide range of earmould designs to meet the needs of all types of users.

The main categories of Sonic Labs earmould designs include:



RIC - Receiver in Canal



## Shell Earmoulds



### Acrylic & Silicone

Shell earmoulds fill up the entire concha to achieve a maximum seal. Appropriate for fitting moderate, severe and profound hearing loss, it stands up well to wear and tear. Available in acrylic, silicone and UV materials and in a range of colours.



### Acrylic Products

Product code	Description
EM2106	Shell Hard Acrylic
EM2106 UV	Shell U.V light cured
EM5106 HC	Shell All Hard Heatcure
EM2110	Shell Hard Acrylic, Soft Tip
EM5110 HC	Shell Soft Tip Heatcure
EM2112	Shell All Soft Acrylic
EM5112 HC	Shell All Soft Heatcure

### Silicone Products

Product code	Description
EM2108A	Shell Silastic
EM2108B	Shell Microflex
EM2108C	Shell Micropore
EM2108D	Shell Sonic Sil
EM2108BP	Shell Biopore
EM2108BS	Shell Bioplast



## Carved Shell Earmoulds



### Acrylic & Silicone

Carved shell earmoulds are similar to standard shells but the interior is carved out to provide improved sealing properties. Lighter in weight, carved shells adapt well to jaw movements during speech and mastication without compromising the seal. The carved shell is less conspicuous while providing better retention in the ear. Suitable for severe to profound hearing loss for both paediatric and adult users. Available in acrylic, silicone and UV materials and in a range of colours.



### Acrylic Products

Product code	Description
EM2106 CA	Carved Shell Hard Acrylic
EM2106 UV CA	Carved Shell U.V light cured
EM5106 HC CA	Carved Shell All Hard Heatcure
EM2110 CA	Carved Shell Hard Acrylic, Soft Tip
EM5110 HC CA	Carved Shell Soft Tip Heatcure
EM2112 CA	Carved Shell All Soft Acrylic
EM5112 HC CA	Carved Shell All Soft Heatcure

### Silicone Products

Product code	Description
EM2108 CA A	Carved Shell Silastic
EM2108 CA B	Carved Shell Microflex
EM2108 CA C	Carved Shell Micropore
EM2108 CA D	Carved Shell Sonic Sil
EM2108 CA BP	Carved Shell Biopore
EM2108 CA BS	Carved Shell Bioplast





## Skeleton Earmoulds



### Acrylic & Silicone

Skeleton earmoulds are the most popular because their discreetness. The concha area of the mould is removed to create better ventilation. The skeleton is appropriate for mild and moderate hearing losses, is available in acrylic, silicone and UV materials and in a range of colours.



### Acrylic Products

Product code	Description
EM2107	Skeleton Hard Acrylic
EM2107 UV	Skeleton U.V. Light Cured (Non-allergenic)
EM5107 HC	Skeleton All Hard Heatcure
EM2111	Skeleton Hard Acrylic, Soft Tip
EM5111 HC	Skeleton Soft Tip Heatcure
EM2121	Skeleton All Soft Acrylic
EM5121 HC	Skeleton All Soft Heatcure

### Silicone Products

Product code	Description
EM2109A	Skeleton Silastic
EM2109B	Skeleton Microflex
EM2109C	Skeleton Micropore
EM2109D	Skeleton Sonic Sil
EM2109BP	Skeleton Biopore
EM2109BS	Skeleton Bioplast





## Carved Skeleton Earmoulds



### Acrylic & Silicone

The carved skeleton is similar to the skeleton with additional material removed in the canal, band and helix area. This makes the carved skeleton even lighter in weight and more discrete. The carved skeleton is appropriate for mild and moderate hearing losses.

Soft acrylic and silicone carved skeletons provide super acoustic seal as the mould is softer and more flexible, also allowing it to adapt extremely well to jaw movement. The soft carved skeleton is appropriate for moderate, severe to profound hearing loss. Available in acrylic, silicone and UV materials and in a range of colours.



### Acrylic Products

Product code	Description
EM2107 CA	Carved Skeleton Hard Acrylic
EM2107 UV CA	Carved Skeleton U.V. Light Cured (Non-allergenic)
EM5107 HC CA	Carved Skeleton All Hard Heatcure
EM2111 CA	Carved Skeleton Hard Acrylic, Soft Tip
EM5111 HC CA	Carved Skeleton Soft Tip Heatcure
EM2121 CA	Carved Skeleton All Soft Acrylic
EM5121 HC CA	Carved Skeleton All Soft Heatcure

### Silicone Products

Product code	Description
EM2109 CA A	Carved Skeleton Silastic
EM2109 CA B	Carved Skeleton Microflex
EM2109 CA C	Carved Skeleton Micropore
EM2109 CA D	Carved Skeleton Sonic Sil
EM2109 CA BP	Carved Skeleton Biopore
EM2109 CA BS	Carved Skeleton Bioplast



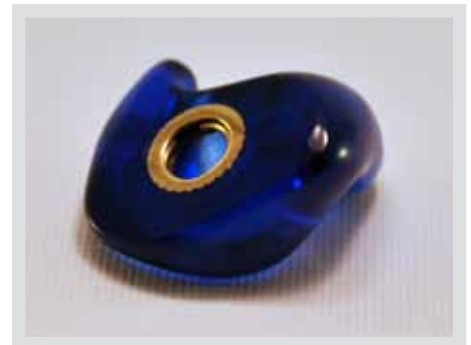
## Solid Earmoulds



### Acrylic & Silicone

Solid earmoulds are compatible with body worn hearing aids. A metal attachment is integrated into the earmould to allow the body worn receiver to be attached. Solid earmoulds are available in a range of acrylic and silicone materials.

A soft wire can be added to baby moulds to aid retention.



### Acrylic Products

Product code	Description
EM2120	Standard Solid All Soft Acrylic, With Hard Base Baby
EM2101	Standard Solid Hard Acrylic
EM2101 UV	Solid U.V. Light Cured
EM2103	Standard Solid Hard Acrylic, Baby
EM2104	Standard Solid Hard Acrylic, Soft Tip
EM2105	Standard Solid Hard Acrylic, Soft Tip, Baby
EM2113	Standard Solid All Soft Acrylic, With Hard Base

### Silicone Products

Product code	Description
EM2102A	Solid Silastic
EM2102B	Solid Microflex
EM2102C	Solid Micropore
EM2102D	Solid Sonic Sil
EM2102BP	Solid Biopore
EM2102BS	Solid Bioplast



## Half Phantom Earmoulds



### Acrylic & Silicone

Half phantom earmoulds are similar to skeleton moulds with part of the band removed to make it easier to insert and remove from the ear. This is suitable for deformed or flat concha. It is available in acrylic, silicone and UV materials and in a range of colours.



### Acrylic Products

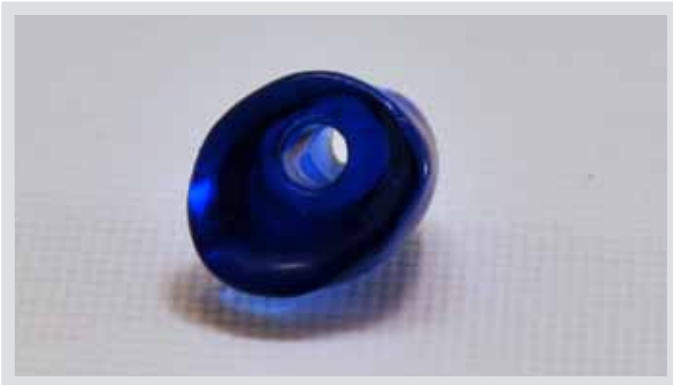
Product code	Description
EM2117	Half Phantom Hard Acrylic
EM5117 HC	Half Phantom Heat cure Acrylic
EM2117 UV	Half Phantom UV Light cured (Non-allergenic)
EM2118	Half Phantom Hard Acrylic, Soft Tip
EM2118 HC	Half Phantom Heat cure soft tip

### Silicone Products

Product code	Description
EM2118A	Half Phantom Silastic
EM2118B	Half Phantom Microflex
EM2118C	Half Phantom Micropore
EM2118D	Half Phantom Sonic Sil
EM2118BP	Half Phantom Biopore
EM2118BS	Half Phantom Bioplast



## Earmoulds for Modular Hearing Aids ITE 10m & 11m



### Acrylic

Modular Earmoulds are designed to work with ITE 10m, ITE 11m and the Seimens Cosmea Modular hearing aids. They are very small and are inserted directly into the ear canal. Modular earmoulds are only available in acrylic and UV.



### Acrylic Products

Product code	Description
EM2214	ITE Moulds, shell canal-meatal plug Hard Acrylic
EM2214 UV	Modular Canal Hard U.V Light Cured (Non-allergenic)
EM2216	ITE Moulds, shell canal-meatal plug Hard Acrylic with Soft Tip
EM2206	ITE Moulds, shell canal-meatal plug Hard Acrylic, Full Shell Concha Lock
EM2206 UV	Modular full shell Hard U.V Light Cured (Non-allergenic)
EM2223	ITE Moulds, shell canal-meatal plug Hard Acrylic, Claw Retention
EM2223 UV	Modular Canal Lock Hard U.V Light Cured (Non-allergenic)
EM2227	Modular Siemens Cosmea
EM2227 UV	Modular Siemens Cosmea U.V Light Cured (Non-allergenic)





## Canal Earmoulds



### Acrylic & Silicone

Canal earmoulds are a good choice for comfort, cosmetics and a deformed pinna. It is the smallest earmould offered by Sonic Labs. To achieve a good acoustic seal and retention the canal mould requires a long canal impression past the second bend. Available in all materials and colours.



### Acrylic Products

Product code	Description
EM2114	Shell Canal-Meatal Plug Hard Acrylic
EM2114UV	Canal U.V Light Cured
EM5114 HC	Canal All Hard Heatcure
EM2115	Shell Canal-Meatal Plug Hard Acrylic, Soft Tip
EM5115 HC	Canal Soft Tip Heatcure
EM2116	Shell Canal-Meatal Plug All Soft Acrylic
EM5116 HC	Canal All Soft Heatcure

### Silicone Products

Product code	Description
EM2114A	Canal Silastic
EM2114B	Canal Microflex
EM2114C	Canal Micropore
EM2114D	Canal Sonic Sil
EM2114BP	Canal Biopore
EM2114BS	Canal Bioplast



## Canal Lock Earmoulds



### Acrylic & Silicone

Canal lock earmoulds are suitable for users experiencing poor retention with canal moulds. A spur is added to the canal mould in the anti-tragal area to help anchor the mould in place.



### Acrylic Products

Product code	Description
EM2114 CL	Canal Lock hard Acrylic
EM5114 HC CL	Canal Lock heat cure Acrylic
EM2114UV CL	Canal Lock U.V Light Cured
EM2115 CL	Canal Lock hard Acrylic with soft tip
EM5115 HC CL	Canal Lock heat cure acrylic with soft tip
EM2116 CL	Canal Lock all soft Acrylic
EM5116 HC CL	Canal Lock all soft heat cure acrylic

### Silicone Products

Product code	Description
EM2116 CL A	Canal Lock Silastic
EM2116 CL B	Canal Lock Microflex
EM2116 CL C	Canal Lock Micropore
EM2116 CL D	Canal Lock Sonic Sil
EM2116 CL BP	Canal Lock Biopore
EM2116 CL BS	Canal Lock Bioplast





## Half Shell Earmoulds



### Acrylic & Silicone

Half shell earmoulds are a similar design to the shell earmould, with the helix removed. These moulds are ideal for a narrow helix, or if the helix and canal are close together. They are also a good option if shell or skeleton earmoulds are difficult to insert. This option provides all the advantages of a shell mould and is available in all materials and colours.



### Acrylic Products

Product code	Description
EM2124	Half Shell hard Acrylic
EM5124 HC	Half shell heat cure Acrylic
EM2124 UV	Half Shell U.V Light Cured
EM2125	Half Shell hard Acrylic with soft tip
EM5125 HC	Half Shell heat cure Acrylic with soft tip
EM2126	Half Shell all soft Acrylic
EM5126 HC	Half Shell all soft Acrylic heat cure

### Silicone Products

Product code	Description
EM2126 A	Half Shell Silastic
EM2126 B	Half Shell Microflex
EM2126 C	Half Shell Micropore
EM2126 D	Half Shell Sonic Sil
EM2126 BP	Half Shell Biopore
EM2126 BS	Half Shell Bioplast

All moulds are also available as **Carved Half Shells**



## Open Earmoulds

Open moulds are used for both high frequency and low frequency (up to 1KHz) hearing loss. They offer the largest possible vent to allow the low frequency to pass through naturally. The high frequency is amplified through the remaining canal portion of the mould.

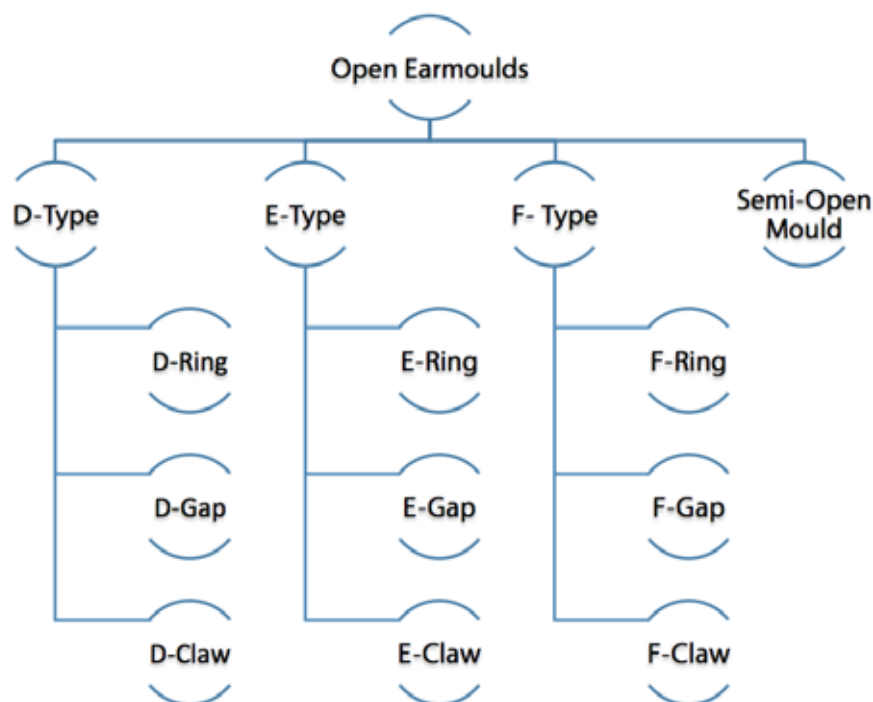
The vent is achieved in three different ways:

1. **D-type** - Most of the canal portion is removed allowing just enough to accommodate the tube.
2. **E-type** - Canal is left in tact with the largest vent possible
3. **F-type** - Canal is completely removed leaving only a small portion to show canal direction.

Retention can be achieved in three different ways:

1. **Ring** - Skeleton-type retention with the whole band in tact
2. **Gap** - Phantom-type retention with part of the band removed
3. **Claw** - Bridge in the crux area is removed

The suggested method for selecting the most suitable open mould is to choose the vent type (D, E or F) followed by the retention style (Ring, Gap or Claw).



Due to the minimal size of the mould hard materials should be chosen, however soft material with high shore can be used if required.



## Open D-Type Earmoulds

### D-Ring moulds



### D-Gap moulds



### D-Claw moulds



### Acrylic Products

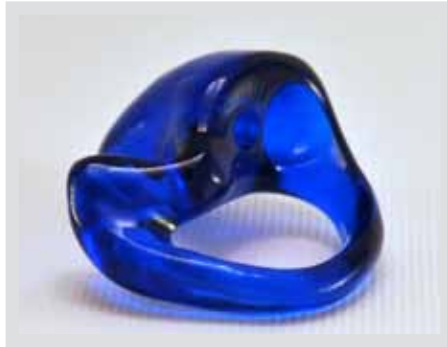
Product code	Description
EM2122 D R	Open Mould D Ring hard Acrylic
EM2122 D R UV	Open Mould D Ring U. V Light Cured
EM2122 D G	Open Mould D Gap hard Acrylic
EM2122 D G UV	Open Mould D Gap U. V Light Cured
EM2122 D C	Open Mould D Claw hard Acrylic
EM2122 D C UV	Open Mould D Claw U. V Light Cured

Also available in **Heat Cure Acrylic EM5122**



## Open E-Type Earmoulds

### E-Ring moulds



### E-Gap moulds



### E-Claw moulds



## Acrylic Products

Product code	Description
EM2122 E R	Open Mould E Ring hard Acrylic
EM2122 E R UV	Open Mould E Ring U. V Light Cured
EM2122 E G	Open Mould E Gap hard Acrylic
EM2122 E G UV	Open Mould E Gap U. V Light Cured
EM2122 E C	Open Mould E Claw hard Acrylic
EM2122 E C UV	Open Mould E Claw U. V Light Cured

Also available in **Heat Cure Acrylic EM5122**



[info@soniclabs.co.uk](mailto:info@soniclabs.co.uk)



## Open F-Type Earmoulds

### F-Ring moulds



### F-Gap moulds



### F-Claw moulds



## Acrylic Products

Product code	Description
EM2122 F R	Open Mould F Ring hard Acrylic
EM2122 F R UV	Open Mould F Ring U. V Light Cured
EM2122 F G	Open Mould F Gap hard Acrylic
EM2122 F G UV	Open Mould F Gap U. V Light Cured
EM2122 F C	Open Mould F Claw hard Acrylic
EM2122 F C UV	Open Mould F Claw U. V Light Cured

Also available in **Heat Cure Acrylic EM5122**



## Semi-open Earmoulds



### Acrylic

The **Semi-Open** mould is **exclusive to Sonic Labs** and provides the same function as open moulds with a more intact tragal area for an improved seal and counteracts feedback. The Semi-Open mould also provides better retention. It is suggested that these mould are selected with hard materials, though soft material with high shore can be used if required.



### Acrylic Products

Product code	Description
EM2122 SO	Semi Open hard Acrylic
EM2122 SO UV	Semi Open U. V Light Cured

Also available in **Heat Cure Acrylic EM5122**





## Open- Fit Earmould - (Life tube)



### Acrylic & Silicone

Open fit earmoulds are a specialist earmould designed to cope with the next generation of hearing instruments. The introduction of mini slim tube for BTE and RIC hearing aids means the required in-ear fit of compatible earmoulds has changed. Typically these hearing aids are provided with generic tips or domes to cope with their small size.

Customised earmoulds are preferred by professionals and patients over the generic ear tips as they provide better cosmetics, comfort, acoustic seal and amplification. Their small size means that these earmoulds can be difficult to produce but Sonic Labs has the skill and experience to provide the highest quality Open fit earmoulds for any type of hearing loss.

Open-fit moulds are available with a vent (please specify size 1, 2 or 3mm) or they are available open (largest possible vent). Please supply the tube with your order.



### Acrylic and Silicone Products

Product code	Description
EM4114	Open-fit slim tube Hard Acrylic
EM4114 UV	Open-fit slim tube Hard U.V
EM4116	Open-fit slim tube all soft Acrylic
EM4118	Open-fit slim tube Silicone

Canal Lock available on request - See next page.  
Please specify vent size or fully open design.



## Open-Fit Canal Lock Earmoulds



Open fit earmoulds are suitable for any type of hearing loss and are available with a vent (please specify size 1,2 or 3mm) or available open (largest possible vent). Please supply the tube with your order.

A Canal Lock can be added to the Open-Fit earmoulds for users who experience poor retention when using standard Open-Fit earmoulds. A "spur" is added in the anti-tragal area to help anchor the mould in place.



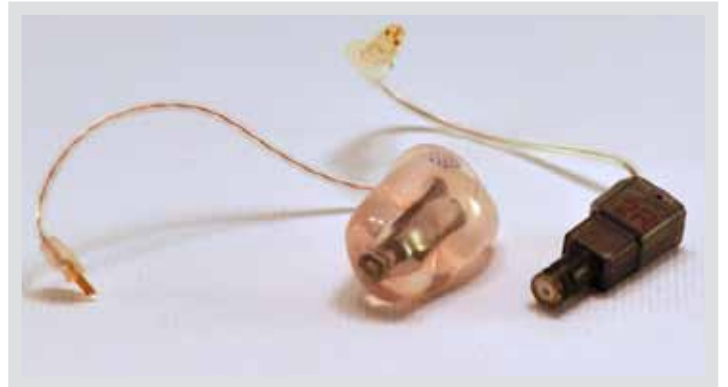
### Acrylic and Silicone Products

Product code	Description
EM4114	Open-fit slim tube Hard Acrylic
EM4114 UV	Open-fit slim tube Hard U.V
EM4116	Open-fit slim tube all soft Acrylic
EM4118	Open-fit slim tube Silicone

Please specify if a Canal Lock is required.  
Please specify vent size or fully open design.



## Receiver in Canal (RIC) Earmoulds



### Acrylic

Receiver in canal earmoulds are designed to accommodate a receiver for a BTE hearing aid. They offer the same advantages as the Open-Fit earmoulds and are available with a vent (please specify size 1, 2 or 3mm). Please supply the receiver with your order.



### Acrylic and Silicone Products

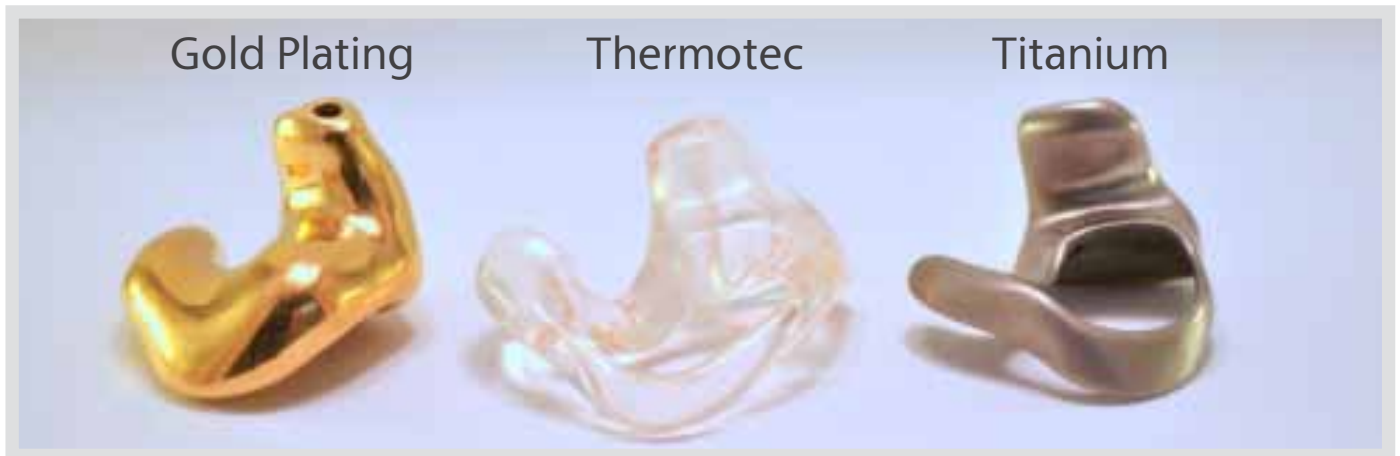
Product code	Description
EM4214	Open-fit RIC Hard Acrylic
EM4214 UV	Open-fit RIC Hard U.V
EM4216	Open-fit RIC all soft Acrylic
EM4218	Open-fit RIC Silicone

Canal Lock available on request.  
Please specify vent size or fully open design.



## High Biocompatibility Earmoulds

Sonic Labs provide a wide range of ULTRA-Biocompatible Earmoulds options for users that are allergic to standard materials. Options include Gold plating, Thermotec and Titanium Earmoulds.



## Gold Plated Earmoulds



### Gold Plating

A thin layer of gold is applied over the hard acrylic earmould. This acts a barrier between the acrylic and the skin making use of the highly non-allergic properties of gold.

### ULTRA-high Biocompatibility Products

Product code	Description
EM6000	Gold Plated mould (Shell, Skeleton, Solid)





## Thermotec Earmoulds



### Thermotec

Thermotec is a newly developed material that does not contain PMMA. This offers the user a highly non-allergenic material in a soft mould. Thermotec is a durable and long lasting material.

## Titanium Earmoulds



### Titanium

Titanium is the ultimate non-allergic material with fantastic corrosion resistance. The earmould is cast in titanium resulting in a hard and very lightweight earmould. The medical grade titanium alloy used is identical to body and dental implants.

### ULTRA-high Biocompatibility Products

Product code	Description
EM6001	Shell, Thermotec, Matte Finish
EM6002	Shell, thermotec, Gloss Finish
EM6005	Titanium Earmould
EM6005 CA	Carved Shell Titanium

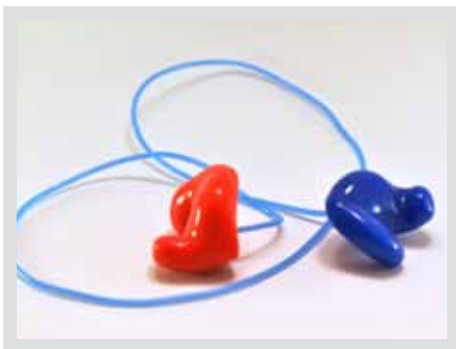


## Swim Moulds



### Acrylic & Silicone

Swim moulds are used to prevent water entering the ear canal during swimming or other water sports. They are available as a loose pair or can be joined together using a polymer cord. The cord is available in several colours, these are listed in the accessories section.



### Silicone Products

### Acrylic Products

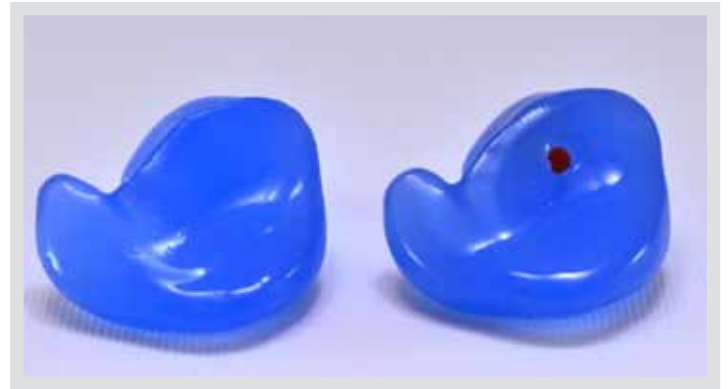
Product code	Description
EM2119 A	Swim mould Silastic
EM2119 B	Swim mould Microflex
EM2119 C	Swim mould Micropore
EM2119 D	Swim mould Sonic Sil
EM2119 BP	Swim mould Biopore
EM2119 BS	Swim mould Bioplast
EM2119 F	Swim mould Floatable

Product code	Description
EM2120	Swim Mould All Soft Acrylic





## Noise Protection



### Solid and Filtered noise protection moulds

Solid multi-purpose noise plugs are suitable for a high noise environment. The design (EM2150) is made from silicone materials to provide maximum protection. Filtered noise plugs are designed for low levels of noise exposure in a variety of different noisy environments. The EM2150 FL design acts to attenuate the noise as a function of frequency depending on the filter option selected.



There are five varieties of filter available covering a range from low to high attenuation. Harmful levels of noise are filtered out while ambient noise and speech remain clearly audible. The five varieties of filter are shown in the table below.

Frequency	Attenuator per filter in dB				
	Sonic Filter 4	Sonic Filter 6	Sonic Filter 7	Sonic Filter 8	Sonic Filter 10
125 Hz	2.1	6.8	15.1	17.8	25.8
250 Hz	3.9	9.7	16.9	19.7	26.2
500 Hz	10.5	14.9	20.2	22.2	26.9
1000 Hz	18.5	21.7	26.2	26	28.8
2000 Hz	29.4	30.5	31.6	32.8	34
4000 Hz	30.1	32.7	32.8	35.4	39.3
8000 Hz	32.4	34.4	36.8	39.1	39



## Noise protection continued...

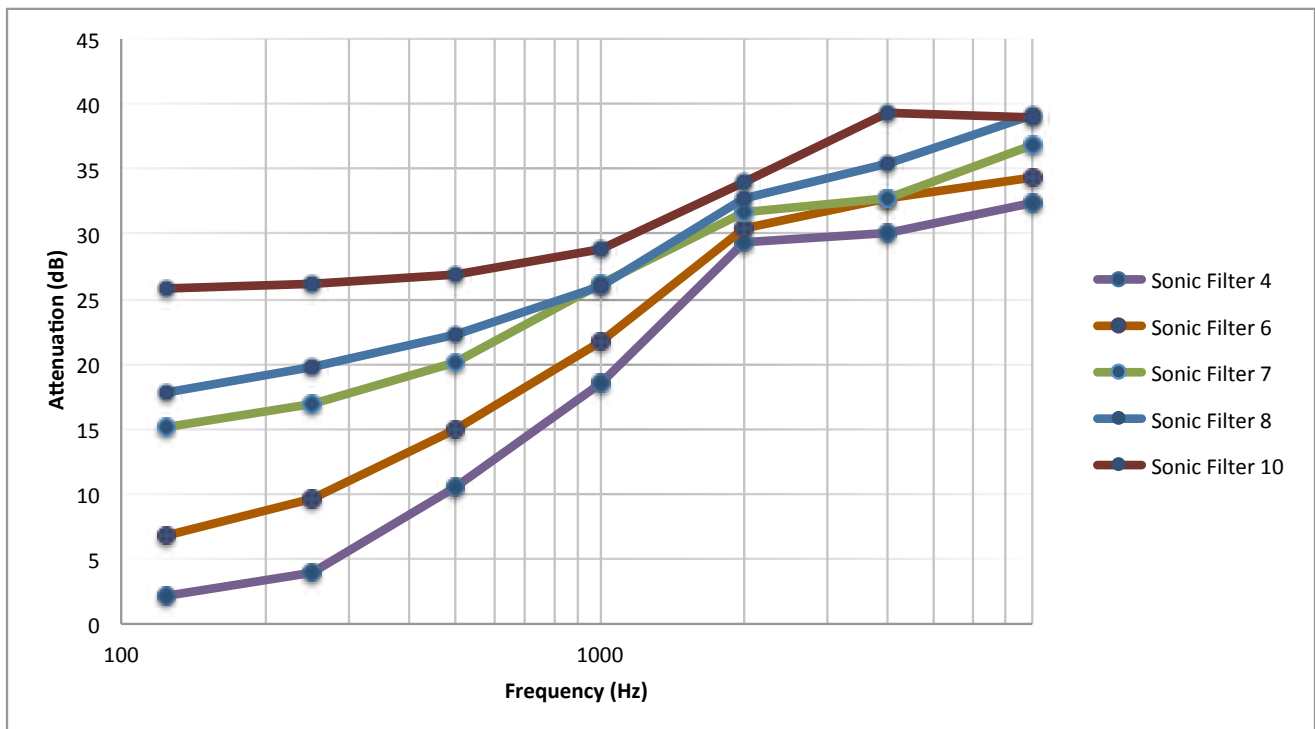
**Sonic Filter 4** - Attenuates noise levels from printing works

**Sonic Filter 6** - Attenuates noise levels from light industry, transport industry, concerts and lawn mowing.

**Sonic Filter 7** - Attenuates noise levels from timber industry, construction work, DIY, wind noise when motorcycling.

**Sonic Filter 8** - Attenuates noise levels from heavy industry, metal processing, snoring.

**Sonic Filter 10** - Attenuates noise from pile driving, shooting, high pressure cleaners.



### Solid Noise protection

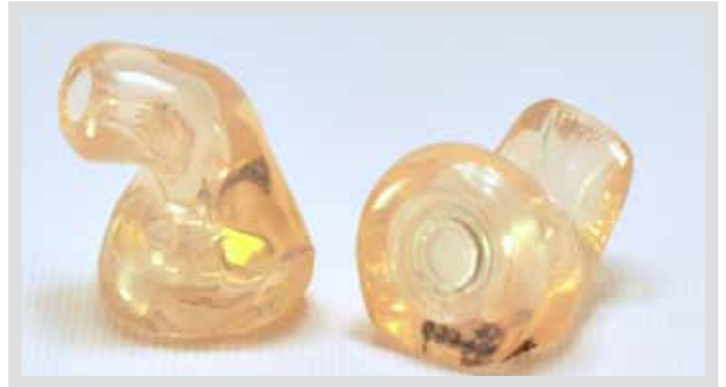
Product code	Description
EM2150 A	Noise Plug Solid Silastic
EM2150 B	Noise Plug Solid Microflex
EM2150 C	Noise Plug Solid Micropore
EM2150 D	Noise Plug Solid Sonic Sil
EM2150 BP	Noise Plug Solid Biopore
EM2150 BS	Noise Plug Solid Bioplast

### Filtered Noise protection

Product code	Description
EM2150 FL A	Filtered Noise Plug Silastic
EM2150 FL B	Filtered Noise Plug Microflex
EM2150 FL C	Filtered Noise Plug Micropore
EM2150 FL D	Filtered Noise Plug Sonic Sil
EM2150 FL BP	Filtered Noise Plug Biopore
EM2150 FL BS	Filtered Noise Plug Bioplast



## Musicians' Earmoulds



### Musicians' moulds

Styles EM2139 and EM2140 offer musicians the right level of protection, no more and no less allowing the detail and quality of sound to pass through without distortion.

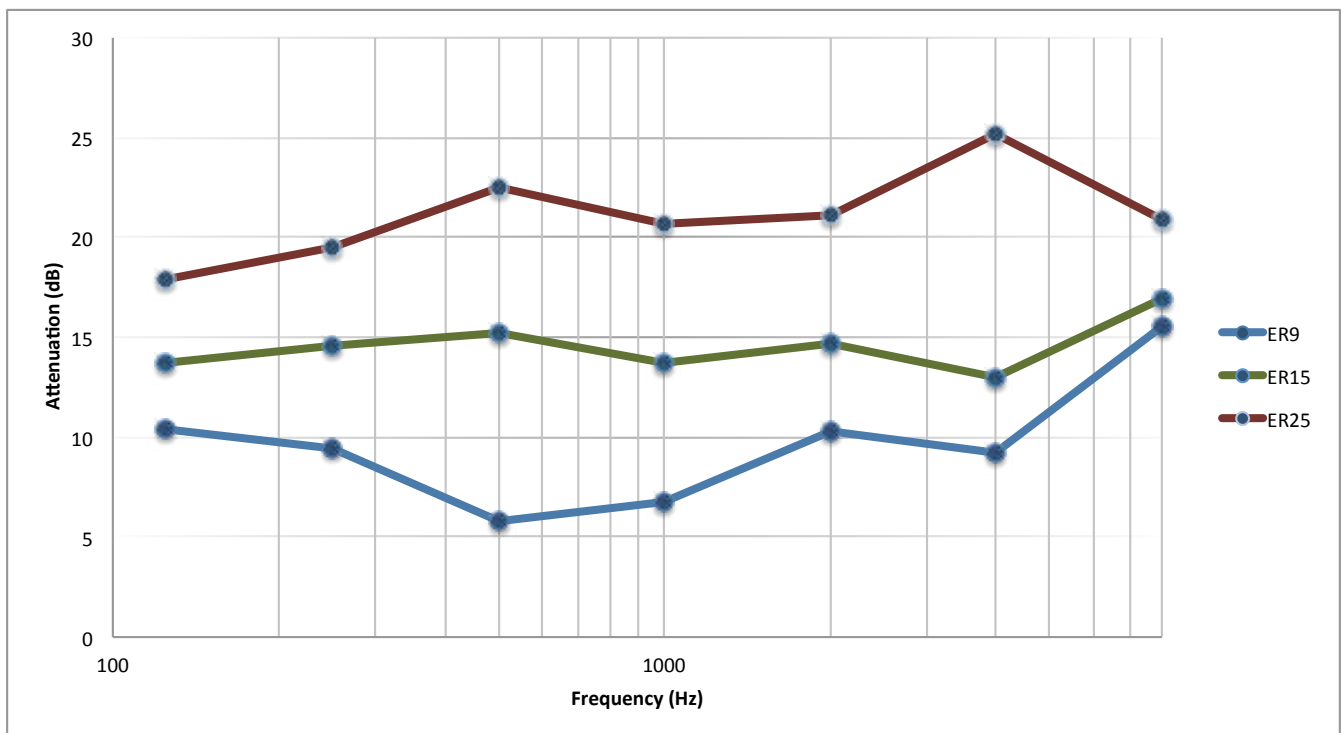
Flat attenuation covers the entire range of audible frequencies. Please see the table below to help in selecting the right attenuation level.



Frequency	Musician mould Attenuation Level (dB)		
	ER9	ER15	ER25
125 Hz	10.4	13.7	17.9
250 Hz	9.4	14.6	19.5
500 Hz	5.8	15.2	22.5
1000 Hz	6.8	13.7	20.7
2000 Hz	10.3	14.7	21.1
4000 Hz	9.2	13	25.2
8000 Hz	15.5	16.9	20.9



## Musicians' Earmoulds continued...



### Professional Musicians moulds

Product code	Description
EM2139	ER 15 Plug for Musicians
EM2140	ER 25 Plug for Musicians





## Broadcasting Moulds



### Acrylic

This custom design allows for two way communication for broadcasting professionals, reporters and security personnel.



### Acrylic Products

Product code	Description
EM2127	Broadcasting hard Acrylic mould
EM2127 UV	Broadcasting U. V Light Cured
EM2128	Gold Plated Mould (Shell, Skeleton, Solid)
EM2130	Earmoulds for personal Stereo's , IPods, Hands free kits



## Personal Music Player Moulds



### Acrylic

These earpieces are the ultimate personalisation for the serious music lover, ideal for anyone who wants to enjoy music on the move or the musician who wants a cost effective custom made in-ear monitor solution.

These moulds can be made to fit any earpiece, receiver and driver to create a seal which increases low frequency response and improves attenuation.



### Personal music players earmoulds

Product code	Description
EM2130	Earmoulds for personal Stereos , iPods, Hands free kits



## Customised Earmoulds

Sonic Labs provides a wide variety of options to customise your earmould. We offer coloured moulds as solid colour and marbles effect, glitter moulds and moulds with logo inserts.

## Glitter Earmoulds



Blue

Green

Red

Sonic Labs Glitter earmoulds are really striking. They are available in 9 colours. Adding Glitter to the mould produces an eye-catching mould great for kids.



Pink

Purple

Gold



Iris

Mother of Pearl

Silver

Product code	Description
S0001	Mother of Pearl Glitter
S0002	Iris Glitter
S0003	Silver Glitter
S0004	Gold Glitter
S0005	Red Glitter
S0006	Blue Glitter
S0007	Green Glitter
S0008	Purple Glitter



## Marble effect Earmoulds

Mixing 2 or more colours produces a beautifully marbled effect. Any colours can be selected to produce the desired effect, you can choose your favourite colour or even the colours that represent a sports team or corporate brand.



Product code	Description
S0009	Marble Effect





## Logo Inserts

Images can be inserted into the mould during manufacture according to the customer's preference. Images can be almost anything as long as they don't violate copyright restrictions. Please refer to the Logos catalogue for the complete list and quote the relevant logo code when placing your order.



Product code	Description
S0011	Logo Insert (upon request)



## Novelty Moulds continued ...



Product code	Description
S0012	Red
S0013	Orange
S0014	Yellow
S0015	Green
S0016	Light Green
S0017	Blue
S0018	Azure Blue
S0019	Violet
S0020	Fuschia Pink
S0021	Baby Pink
S0022	Light Brown
S0023	Medium Brown
S0024	Dark Brown
S0025	Sandy Brown
S0026	Beige
S0027	Black
S0028	White

Please note, colours may vary slightly based on batch and material choice. The shades shown here may be slightly different.



## Tubing and connectors



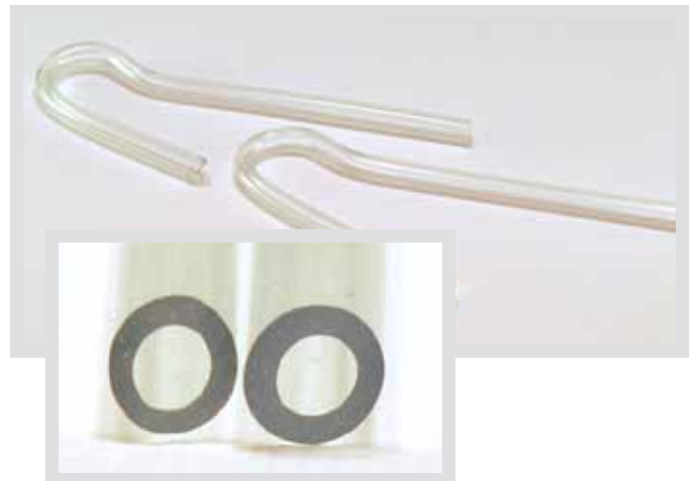
Gold and Plastic Tube lock



Vario Vent



4mm and 3mm Libby Horn

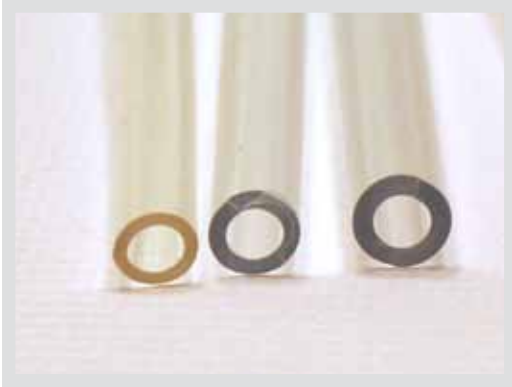


Double Bent standard and thick tube

Product code	Description
S0029	Tube Lock
S0030	3 mm Libby Horn, Standard
S0031	3 mm Libby Horn, Stay Dry
S0032	3 mm Libby Horn, Coloured
S0033	4 mm Libby Horn, Standard
S0034	4 mm Libby Horn, Stay Dry



## Tubing and connectors continued...



Tubing: Paediatric, standard and thick



Coloured tubing



Arc tubing and barbed connector

Product code	Description
S0035	Noise Plug Filter
S0036	Elbow
S0037	Variable Vent Trees
S0038	Swim Mould Cord
S0039	Swim Mould Removal Handle





## Cords and connectors



Cords to link pairs of earmoulds together are available in 5 colours yellow, red, blue, purple and clear.

## Services

Product code	Description
S0040	Paediatric Same day Service
S0041	Urgent Same day Service
S0042	Recorded Delivery
S0043	Special Delivery
S0044	Courier Delivery





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Sonic Laboratories Ltd  
4 Langley Business Court  
World's End  
Beedon  
Berkshire  
Newbury  
RG20 8RY  
[info@soniclabs.co.uk](mailto:info@soniclabs.co.uk)

[www.soniclabs.co.uk](http://www.soniclabs.co.uk)

