

3M™ 1100™ Disposable Foam Earplugs

Technical Data Sheet

Product description

3M™ 1100 foam earplugs feature soft, hypoallergenic foam and a tapered design to fit comfortably in the ear canal.

Features

- Smooth, dirt resistant surface for hygiene
- Tapered shape to help fit a wide range of ear canal sizes
- Compatible with 3M™ E-A-Rfit validation system
- SLC80 21dB (Class 3)
- Available in corded or uncorded

Applications

The 3M™ 1100™ earplugs are ideally suited to provide protection against noise frequencies in a wide range of industrial workplace and leisure environment. Examples of typical applications include:

- Mining
- Automotive
- Chemical & pharmaceutical manufacture
- Construction
- Light engineering
- Woodworking
- Compatible with the 3M™ E-A-Rfit™ Dual-Ear Validation System

Standards

These hearing protectors have been produced to comply with the requirements of the Australian /New Zealand Standard AS/NZS 1270:2002.



Laboratory Attenuation Values

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean (dB)	20.3	20.6	23.2	26.5	32.3	32.0	41.1
SD (dB)	8.5	6.9	9.3	9.3	7.1	7.1	6.0
Mean - SD (dB)	11.8	13.7	13.9	17.2	25.2	24.9	35.1

SLC₈₀ 21dB (Class 3)

3M strongly recommends personal fit testing of hearing protectors. Research suggests that users may receive less noise reduction than indicated by the attenuation label value(s) on the packaging due to variation in fit, fitting skill, and motivation of the user.

Hearing protector Class 3 tested to AS/NZS 1270. When selected, used and maintained as specified in AS/NZS 1269, this protector may be used in noise 95dB(A) to less than 100dB(A), assuming an 85dB(A) criterion.

A lower criterion may require a higher protector class.

Mean = Mean attenuation value derived from testing in accordance with AS/NZS 1270:2002.

SD = Standard Deviation derived from testing in accordance with AS/NZS 1270:2002.

Mean-SD = Mean attenuation value minus Standard Deviation

SLC80 = Single number rating commonly used in Australia and New Zealand to compare acoustic performance of hearing protectors. The subscript '80' indicates that in well managed hearing protector programs, the protection provided is expected to equal or exceed the SLC80 in 80% of protector-wearer noise spectrum combinations.

Class = A simplified process for selecting hearing protectors based on the wearers 8-hour equivalent continuous A-weighted sound pressure level.

Materials

The following materials are used in the manufacture of this product.

Component	Material
Earplugs	Polyurethane foam
Cord	Polyester

Ordering Information

3M Order Code	Model #	Description
AT010615121	1100	3M™ 1100 Earplugs Uncorded
XA007701783	1100-BT	3M™ 1100 Earplug Refill Bottle
AT010615154	1110	3M™ 1110 Earplugs Corded
70071577772	393-2010-50	3M™ 1100 Probed Test Plug

Storage

Store in an area free of contamination.

Do not leave your hearing protection device in areas or locations where it can be exposed to damage or contamination.

Sunlight is particularly damaging as UV light can have a detrimental effect on the materials the product is made from.

Chemical contamination can also have a serious effect on product integrity and decontamination after use is recommended.

Use a suitable storage container especially if left in a vehicle. This will protect the hearing protection device from damage and extend its working life.

WARNING! Hearing Protection Products

These hearing protectors help reduce exposure to hazardous noise and other loud sounds. Misuse or failure to wear hearing protectors at all times that you are exposed to noise may result in hearing loss or injury. For proper use, see supervisor, User instructions, or call 3M TechAssist Helpline 1800 024 46.

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