

# 3M™ E-A-R™ Classic™ Platinum Disposable Foam Earplugs

## Technical Data Sheet

### Product description

The E-A-R™ Classic™ earplug set the standard in hearing protection as the world's first foam earplug. Classic™ Platinum earplugs are slightly smaller in diameter for a comfortable fit in smaller earcanals.

### Features

- Proprietary soft energy absorbing polymer foam
- Firm material with slow recovery time helps achieve good fit
- Compatible with 3M™ E-A-Rfit validation system
- Special cylindrical shape that fits most ear canals
- Supplied in re-sealable pillow-pack for ease of use
- Sweat and humidity resistant which helps improve comfort- ideally suited for use in hot and humid conditions
- Regular size may help fit a broader range of ear canal sizes
- Available in uncorded version
- $SLC_{80}$  23dB (Class 4)

### Applications

The 3M™ Classic™ Platinum™ earplugs are ideal for a wide range of industrial workplace and leisure environments. Examples of typical applications include:

- Automotive
- Chemical & pharmaceutical manufacture
- Construction
- Heavy engineering
- Metal processing
- Textile manufacture
- Woodworking

### 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)	19.8	20.5	27.0	28.5	30.4	38.1	40.9
SD (dB)	6.3	6.6	8.8	7.9	6.6	5.5	5.6
Mean - SD (dB)	13.5	13.9	18.2	20.6	23.8	32.6	35.3

$SLC_{80}$  23dB (Class 4)

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 4 tested to AS/NZS 1270. When selected, used and maintained as specified in AS/NZS 1269, this protector may be used in noise 100dB(A) to less than 105dB(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  $SLC_{80}$  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	PVC

## 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.

## Ordering Information

3M Order Code	Model #	Description
70071515848	310-4002	3M™ E-A-R™ Classic™ Platinum Pillow Pack Uncorded
70071515871	310-4003	3M™ E-A-R™ Classic™ Platinum Polybag Uncorded
70071562816	393-2007-50	3M™ E-A-R™ Classic™ Platinum Probed Test Plug

### 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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