

# 3M™ E-A-R™ Taperfit II™ Earplugs

## Technical Data Sheet

### Description

3M™ E-A-R™ TaperFit™ 2 regular size uncorded foam earplugs feature smooth foam that expands in the ear canal to help provide comfortable hearing protection.

### Key Features

- Poly bag keeps each pair of earplugs clean before use
- Soft polyurethane foam earplugs
- Test compatible with 3M™ E-A-Rfit™ Validation System
- SLC<sub>80</sub> 26dB (Class 5)

### Applications

The 3M™ E-A-R™ Taperfit II™ earplugs are ideal for high noise exposure levels, and are ideally suited to provide protection against all noise frequencies in a wide range of industrial workplace and leisure environment. 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.



### Materials

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

| Component | Material          |
|-----------|-------------------|
| Ear Plugs | 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.



## Attenuation Data

| Class 5            | SLC <sub>80</sub> Value is 26.0 |      |      |      |      |      |      |
|--------------------|---------------------------------|------|------|------|------|------|------|
| Frequency (HZ)     | 125                             | 250  | 500  | 1000 | 2000 | 4000 | 8000 |
| Mean Attenuation   | 23.6                            | 24.6 | 28.2 | 29.7 | 34.9 | 44.2 | 45.3 |
| Standard Deviation | 6.9                             | 8.8  | 8.7  | 7.3  | 4.5  | 5.2  | 7.7  |

Hearing protector class 5 tested to AS/NZS 1270. When selected, used and maintained as specified in AS/NZS 1269, this protector may be used in noise up to 110dB(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 SLC(80) = 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.

## Ordering Information

| 3M Code     | Model #  | Description                           |
|-------------|----------|---------------------------------------|
| 70071515228 | 312-1219 | E-A-R Taperfit II Regular<br>Uncorded |
| 70071515236 | 312-1221 | E-A-R Taperfit II Large<br>Uncorded   |
| 70071515251 | 312-1224 | E-A-R Taperfit II Large<br>Corded     |

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