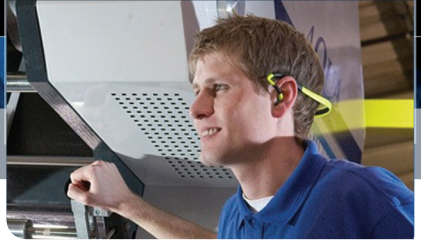

Technical Datasheet

3M™ E-A-R™ UltraFit ™ Earplugs

Product Description

The E-A-R™ UltraFit™ reusable earplugs are designed for insertion into the ear canal to help reduce exposure to hazardous levels of noise and loud sound. These products are available in a corded and uncorded version.

Key Features

- Unique patented tri-flange design
- Longer stem helps make insertion easier
- Made from soft and durable material
- One size fits the majority of wearers
- Compatible with the 3M™ E-A-Rfit validation system
- Easy to wash and clean
- Supplied in re-sealable pillow-pack for ease of use
- Available in both corded and uncorded versions

Applications

The E-A-R™ UltraFit™ earplugs are ideal for moderate noise exposure levels, and are suited for a wide range of industrial workplace and leisure environment applications. Examples of typical applications include:

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

Standard & Approval

These hearing protectors have been produced to comply with the requirements of the Australian /New Zealand Standard AS/NZS 1270:2002 under an agreed production certification scheme operated during manufacture in accordance with the SAI Global StandardsMark programme.

The E-A-R™ UltraFit™ earplugs are tested and CE approved against the European Standard EN352-2:1993. These products meet the Basic Safety Requirements as laid out in Annex II of the European Community Directive 89/686/EEC and have been examined at the design stage by INSPEC International Limited, 56 Leslie Hough Way, Salford, Greater Manchester M6 6AJ, UK (Notified Body number 0194).

Materials

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

Component	Material
Earplugs	Thermoplastic elastomer
Cord	PVC

Attenuation values

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean (dB)	19.1	18.9	21.2	20.5	28.9	32.1	36.3
SD (dB)	8.1	8.1	9.3	5.7	6.8	10.6	11.0
Mean - SD (dB)	11.0	10.8	11.9	14.8	22.1	21.5	25.3

SLC(80) = 18dB Class 3

Key

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.

Occupational Health and Environmental Safety Division
3M Australia Pty Ltd
950 Pacific Highway
Pymble NSW 2073
Phone: 136 136
Fax: 02 9498 9616
TechAssist Helpline: 1800 024 464
E-mail: techassist@mmm.com.au
Website: www.3M.com/au/ohs

Occupational Health and Environmental Safety Division
3M New Zealand Ltd
PO Box 33246
Takapuna, North Shore City 0740
Tech Helpline: 0800 364 357
Customer services: 0800 252 627
Fax: 0800 367 253
E-mail: innovation@nz.mmm.com
Website: www.3M.co.nz/safety

02/10