Technical Datasheet

E-A-R™ UltraFit ™ Earplugs

UF-01-000

Product Description

The E-A-R™ UltraFit™ pre-moulded earplugs are designed for insertion into the ear canal to help reduce exposure to hazardous levels of noise and loud sound. This product is available in corded and uncorded versions.

Key Features

- Tri-flange design
- Longer stem helps make insertion easier
- Made from soft and durable material
- One size fits the majority of wearers
- High attenuation (SNR 32dB)
- Compatible with 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 high to moderate noise exposure levels, and are ideally suited for all frequency noise in a wide range of industrial workplaces and leisure environments. Examples of typical applications include:

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

Standard & Approval

The E-A-R™ UltraFit™ pre-formed earplugs have been 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)	63	125	250	500	1000	2000	4000	8000
Mf (dB)	29.2	29.4	29.4	32.2	32.3	36.1	44.3	44.8
sf (dB)	6.0	7.4	6.6	5.3	5.0	3.2	6.0	6.4
APVf (dB)	23.2	22.0	22.7	26.9	27.3	32.8	38.3	38.4

SNR = 32dB H = 33dB M = 28dB L = 25dB

Key

APVf (dB) = Mf – sf (dB)

Mf = Mean attenuation value

sf = Standard deviation

APVf = Assumed Protection Value

H = High-frequency attenuation value (predicted noise level reduction for noise with L(C) – L(A) = -2dB)

M = Medium-frequency attenuation value (predicted noise level reduction for noise with L(C) – L(A) = +2dB)

L = Low-frequency attenuation value (predicted noise level reduction for noise with L(C) – L(A) = +10dB)

SNR = Single Number Rating (the value that is subtracted from the measured C-weighted sound pressure level, L(C) in order to estimate the effective A-weighted sound pressure level inside the ear).

Occupational Health Group
3M United Kingdom plc
3M Centre
Cain Road, Bracknell
Berkshire, RG12 8HT
Tel: 0870 60 800 60
www.3M.co.uk/ohes

Occupational Health Group
3M Ireland limited
The Iveagh Building
The Park, Carrickmines
Dublin 18
Tel: 1800 320 500

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for 3M ***manufacturer:***

Other Similar products are found below :

951240-2520-AR-PR 8225-8003 961216-5500-AR-PR 966218-2000-AR-PR 953214-2000-AR-PR 3659-60 8R37-N001 951106-2530-AR-PR 961224-5500-AR-PR 7630810583 951244-2520-AR-PR 151230-8422-RB 80-0012-6467-2 929836-01-10-RK 951109-2530-AR-PR 929647-02-02-I 929647-09-01-I 961107-6404-AR 953230-2000-AR-PR 929665-01-02-I 961120-6404-AR 961114-6404-AR 929835-01-05-RK 961214-6404-AR H-33-BOX 929835-01-07-RK 961103-6804-AR 929834-01-15-RK 929665-01-06-I 929834-01-04-RK 961110-6404-AR 929647-03-03-I 929647-09-03-I 929700-01-06-RK CT6BK30-M 961208-6404-AR 929665-02-04-I 6A11-A0121-007.0-0 FDV14-187C 8124/14 812510-100 8125/17 813216 8204-3LFM 8425-8 8444-21B1-RK-TP MNG14BCX FP-301 1 BLUE 100 FV14-6C 923660-20