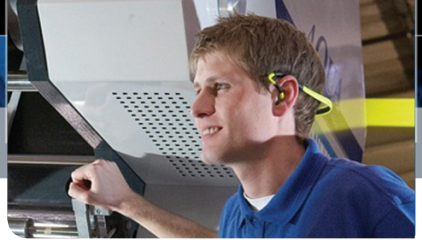

Technical Datasheet

E-A-RSoft™ Yellow Neon™ and Yellow Neon Blasts™ Roll-Down Earplugs

Product Description

The E-A-RSoft™ Yellow Neon™ and Yellow Neon Blasts™ roll-down 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 corded and uncorded version.

The Uncorded version is also available in One Touch™ Dispenser format.

Key Features

- Slow expanding, polyurethane foam
- Extremely soft foam helps provide low pressure inside the ear canal thus increasing comfort and wearability
- Tapered shape conforms quickly to most ear canals particularly large size
- Excellent sound attenuation characteristics- SNR 36dB
- Particularly suited for low frequency noise
- Vibrant colour- E-A-RSoft Yellow Neon Blasts with flames
- Supplied in re-sealable pillow-pack for ease of use
- Available in both corded and uncorded version

Applications

The E-A-RSoft™ Yellow Neon™ and Yellow Neon Blasts™ are ideal for high noise exposure levels, and are ideally suited for all frequency noise 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

Standard & Approval

The E-A-RSoft™ Yellow Neon™ and Yellow Neon Blasts™ 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	Polyurethane Foam
Cord	PVC

Attenuation values

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mf (dB)	23.7	30.8	36.1	39.2	39.5	35.8	42.1	46.1
sf (dB)	6.7	6.5	6.7	4.7	3.9	4.9	3.1	3.3
APVf (dB)	17.0	24.3	29.4	34.5	35.6	30.9	39.0	42.8

SNR = 36dB H = 34dB M = 34dB L = 31dB

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).

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