

# €2754

EN 352-2: 2002

2020

## EN HEARING PROTECTORS: EAR PLUGS

### USER INFORMATION

Refer to the product label/markings for detailed information on the corresponding standards. Only standards and icons that appear on both the product and the user information below are applicable. All these products comply with the requirements of Regulation (EU 2016/425) and the general requirements of the standard EN352-2:2002.

EP02-EP08: Disposable polyurethane foam ear plug with cord ø8 -mm (EP08: with cord)

EP30: Disposable polyurethane foam ear plug with cord & detector ø8 - ø8 mm

EP04: Reusable TPR Corded Ear Plugs ø8 - ø14 mm

EP07: Reusable Detectable TPR foam ear plug with cord ø8 - ø14 mm

These ear plugs are designed to protect the wearer against harmful noises. These ear protectors must be worn at all times in noisy environments (noise levels above 80dB) and must be chosen according to their attenuation factors in relation to the ambient noise to be reduced (see performance). Ensure that they are correctly fitted, adjusted, maintained and inspected in accordance with these instructions. If these instructions are not complied with, the protection provided by the ear defender will be considerably reduced.

### SIZES

These ear plugs are of small (S) – medium (M) – Large (L) size. Ear plugs complying with EN 352-2 are of large size range, medium size range or small size range. Medium size range ear plugs will fit the majority of wearers. Large size range and small size range ear plugs are designed to fit wearers for whom medium size range ear plugs are not suitable.

### ADJUSTMENT:

Ensure that the ear plugs are correctly inserted, adjusted and worn according to the instructions below. The following manipulations must always be carried out with clean hands: Roll the ear plug between your fingers to obtain a very thin cylinder. Pull down on the ear lobe to open the ear canal and insert the plug using a slight rotating motion. Maintain for a few seconds and allow the plug to recover its shape within the ear canal. In the presence of background noise check that the ear plugs attenuate correctly without allowing noise through, otherwise, reposition them. Wear the ear plugs for as long as the exposure to the noise persists. To remove them, follow the same procedure as for insertion. Caution – removing the plugs too rapidly may damage the ear drum.

### WARNINGS:

Ear plugs fitted with a connection element should not be used in environments where the connection element may be caught during use. Contact with the skin may cause allergic reactions in sensitive persons. In this case, leave the area of risk, remove the ear plugs and consult a doctor. This product may be adversely affected by certain chemical substances. Further information be sought from the manufacturer. Harmful noise levels may be included if the headband is struck. Keep out of reach of children as small parts may be easily swallowed.

### MANUFACTURER

Portwest Limited, Westport, County Mayo, Ireland

Name & Address of the Notified Body having issue EC certificate:

ALIENOR CERTIFICATION ZA DU SANITAL – 21 RUE ALBERT EINSTEIN86100

CHATELLERAULT-FRANCE NR: 2754

Notified Body responsible for the ongoing conformity under MODULE C2:

ALIENOR CERTIFICATION – Notified Body nr 2754

### STORAGE & MAINTENANCE INSTRUCTIONS:

Ear plugs should be stored in a cool, dry environment, out of frost and light and protected from dust, grease or chemical products. When not in use, the ear plugs should be kept in their original packaging. The condition of the ear plugs should be checked regularly.

Reusable ear plugs should be inspected and cleaned prior to each re-use, carefully removing any traces of wax or dirt using a clean, damp cloth.

Do not use any detergent, disinfectant or chemical products without consulting us first.

It is recommended to change ear plugs regularly. Ear plugs should be replaced after one working shift (8 h) or earlier if they become dirty.

### PERFORMANCE – ACOUSTIC ATTENUATION (in dB):

(See tables enclosed)

SNR = Single Number Rating

A = Frequency (Hz);

B = Mean Attenuation (d/ B)

C = Standard Deviation (d/ B)

D = Assumed Protection (d/ B)

Attenuation in dB :

H = High frequencies / M = Medium frequencies

L = Low frequencies (bass)

### Download declaration of conformity

@ [www.portwest.com/declarations](http://www.portwest.com/declarations)

### EP02 / EP08 / EP30



### EP04/EP07



### PERFORMANCES - SOUND ATTENUATION EN352-2:2002

#### EP02/EP08/EP30

A	Frequency (Hz)	125	250	500	1000	2000	4000	8000
B	Means Attenuation (dB)	36.5	34.2	39.1	37.8	39.6	44.9	46.2
C	Standard Deviation (dB)	4.7	4.5	4.8	5.8	4.0	6.4	6.2
D	Assumed Protection (dB)	31.7	29.7	34.2	32.0	35.5	38.5	40.1

SNR = 36 dB H = 36 dB / M = 33 dB / L = 32 dB

#### EP04

A	Frequency (Hz)	125	250	500	1000	2000	4000	8000
B	Means Attenuation (dB)	27.7	26.0	32.2	29.4	32.1	34.4	38.3
C	Standard Deviation (dB)	4.3	3.6	4.5	3.9	3.2	2.1	3.8
D	Assumed Protection (dB)	23.4	22.4	27.7	25.5	28.9	32.2	34.5

SNR = 30 dB H = 30 dB / M = 27 dB / L = 25 dB

#### EP07

A	Frequency (Hz)	125	250	500	1000	2000	4000	8000
B	Means Attenuation (dB)	26.9	25.8	30.5	29.7	32.6	34.3	37.6
C	Standard Deviation (dB)	4.5	4.7	3.0	1.6	4.3	3.7	4.5
D	Assumed Protection (dB)	22.4	21.1	27.6	28.0	28.3	30.6	33.0

SNR = 30 dB H = 29 dB / M = 28 dB / L = 25 dB

### PERFORMANCES - SOUND ATTENUATION ANSI S.19-1974

Tested by Michael & Associates, Inc. – 400 Long Lane, PA Furnace, PA 16865, USA

#### EP02/EP08

A	Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
B	Means Attenuation (dB)	39.8	40.4	42.6	40.3	39.1	45.2	45.7	48.3	47.4
C	Standard Deviation (dB)	3.0	3.9	2.9	3.6	3.7	3.0	2.5	4.9	3.7

NR (Noise Reduction Rating) = 32 dB

#### EP30

A	Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
B	Means Attenuation (dB)	38.6	36.8	42.6	40.3	38.4	44.1	46.5	48.3	48.3
C	Standard Deviation (dB)	3.8	3.9	4.1	4.0	2.6	3.9	4.0	4.4	4.7

NR (Noise Reduction Rating) = 32 dB

#### EP04

A	Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
B	Means Attenuation (dB)	34.5	31.1	36.8	33.4	35.2	34.3	33.4	31.4	37.2
C	Standard Deviation (dB)	4.9	4.2	4.7	4.6	3.7	3.9	3.4	3.1	4.1

NR (Noise Reduction Rating) = 24 dB

#### EP07

A	Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
B	Means Attenuation (dB)	34.5	31.1	36.8	33.4	35.2	34.3	33.4	31.4	37.2
C	Standard Deviation (dB)	4.9	4.2	4.7	4.6	3.7	3.9	3.4	3.1	4.1

NR (Noise Reduction Rating) = 24 dB