CE 0194

EN 352-2 : 2002

See information supplied by the Manufacturer

MANUFACTURER
PORTWEST LIMITED, IDA Business Park, Westport, Co. Mayo, Ireland
Any additional information please keep contact with the manufacturer

Name & Address of the Notified Body having issue EC certificate:
INSPEC INTERNATIONAL LTD, 56 LESLIE HOUGH WAY, SALFORD, GREATER MANCHESTER, M6 6AJ – ENGLAND NOTIFIED BODY NUMBER: 0194
NOTIFIED BODY RESPONSIBLE FOR THE ONGOING CONFORMITY UNDER MODULE D: INSPEC INTERNATIONAL LTD – NOTIFIED BODY NUMBER 0194

EN HEARING PROTECTORS: EAR PLUGS

EP20 (EP02-2); EP21 (EP02-2);EP06;EP06

USER INFORMATION
COMPLIANT WITH THE ESSENTIAL REQUIREMENTS OF REGULATION (EU) 2016/425 AND THE GENERAL REQUIRMENTS OF THE STANDARD EN352-2:2002

EP20 (EP02-2) : Disposable polyurethane foam ear plug ø6 - ø12 mm
EP21 (EP02-2) : Disposable polyurethane foam ear plug ø6 - ø12 mm
EP06 : Disposable polyurethane foam ear plug ø7 - ø11 mm

Loud Noise in the workplace can be very damaging to hearing and it usually happens gradually, so that employees are not aware of the dangers until they have already developed permanent hearing loss. As well as gradual hearing loss, there is also hearing loss that results from sudden and extremely loud noises. These ear protectors help reduce exposure to hazardous noise and other loud sounds.
These ear plugs are designed to protect the wearer against harmful noises and 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 performances). Ensure that they are correctly fitted, adjusted, maintained and inspected in accordance with these instructions.
WARNING: If these instructions are not adhered to, the protection afforded by the ear protector will be severely impaired
ADJUSTMENT: SEE DRAWINGS ABOVE
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:
1. Roll the ear plug between your fingers to obtain a very thin cylinder. 2. Pull down on the ear lobe to open the ear canal
3. Insert the plug using a slight rotating motion.
4.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 fit properly without allowing noise through, otherwise, repeat fitting instructions. 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 an interconnecting cord should not be used where there is a risk that the connecting cord caught up 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. Keep out of reach of children as small parts may be easily swallowed.

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. The ear plugs should be replaced after one working shift (8 h) or earlier if they become dirty. Transport the ear protectors with original packaging

Recommended shelf life is 3 years from manufacturing date which is marked on the packaging such as mm/yyyy (Month / Year)

PERFORMANCE – ACOUSTIC ATTENUATION (in DB):
(See tables enclosed)
SNR = Single Number Rating
A = Frequency (Hz)
B = Mean Attenuation (dB)
C = Standard Deviation (dB)
D = Assumed Protection (dB)
Attenuation in dB:
H = High frequency attenuation value
M = Medium frequency attenuation value
L = Low frequency attenuation value

LIMITATION:
The single noise rating (SNR) quoted is based upon the attenuation of continuous noise and these ear protectors may not be suitable to be used as following:
-Use in intermittent or impulsive noise environment, where high level of sound attenuation is needed.
-Use in environment that require additional attenuation especially in low frequencies dominated, high noise environment.

Download declaration of conformity
@ www.portwest.com/declarations

PERFORMANCES - SOUND ATTENUATION - EN352-2:2002

	EP20 (EP02-2) / EP21 (EP02-2)							
A	Frequency (Hz)	125	250	500	1000	2000	4000	8000
B	Means Attenuation (dB)	33.0	33.3	36.1	37.1	36.1	41.8	38.5
C	Standard Deviation (dB)	6.7	7.6	7.4	4.7	4.8	3.6	3.9
D	Assumed Protection (dB)	26.3	25.7	28.7	32.4	31.3	38.2	34.6
SNR = 34 dB H = 33 dB / M = 31 dB / L = 28 dB								

	EP06							
A	Frequency (Hz)	125	250	500	1000	2000	4000	8000
B	Means Attenuation (dB)	31.6	34.3	35.8	35.0	35.4	45.3	44.7
C	Standard Deviation (dB)	4.9	5.1	5.0	4.8	4.0	4.2	4.5
D	Assumed Protection (dB)	26.7	29.2	30.8	30.2	31.4	41.1	40.2
SNR = 34 dB H = 33 dB / M = 31 dB / L = 30 dB								

Note : EP06 model of ear plugs has satisfied the optional requiremnts at +20ºC

ANSI S.19-1974

	EP20 (EP02-2) / EP21 (EP02-2)									
A	Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
B	Mean Attenuation (dB)	37.3	40.8	43.1	41.6	40.7	45.6	46.2	49.4	48.3
C	Standard Deviation (dB)	5.9	5.3	5.0	4.8	2.8	4.2	4.2	4.4	4.5

Tested by Michael & Associates, Inc.