

# Biopact FlexComfort



The ELACIN Biopact FlexComfort is a very compact hearing protector, that was first developed to provide protection for motorcyclists of the Dutch police department. It has an flexible silicone O-ring which makes it easier to fit the protector and remove it from the hearing canal. This ring makes it also possible to fit a cord. The Biopact FlexComfort fits completely in the hearing canal, with no protruding parts. Therefore this hearing protector is well suited for usage under a helmet. Wind noise during motorbike riding creates a noise level that will cause hearing damage.

| Speed    | Noise level |
|----------|-------------|
| 100 km/h | 94 dB       |
| 120 km/h | 98 dB       |
| 140 km/h | 102 dB      |

Noise levels of more that 80 dB can cause irreversible hearing damage. The higher the dB level, the faster people will sustain hearing damage. The following statistics indicate the time frame people can safely stay in a noisy environment.

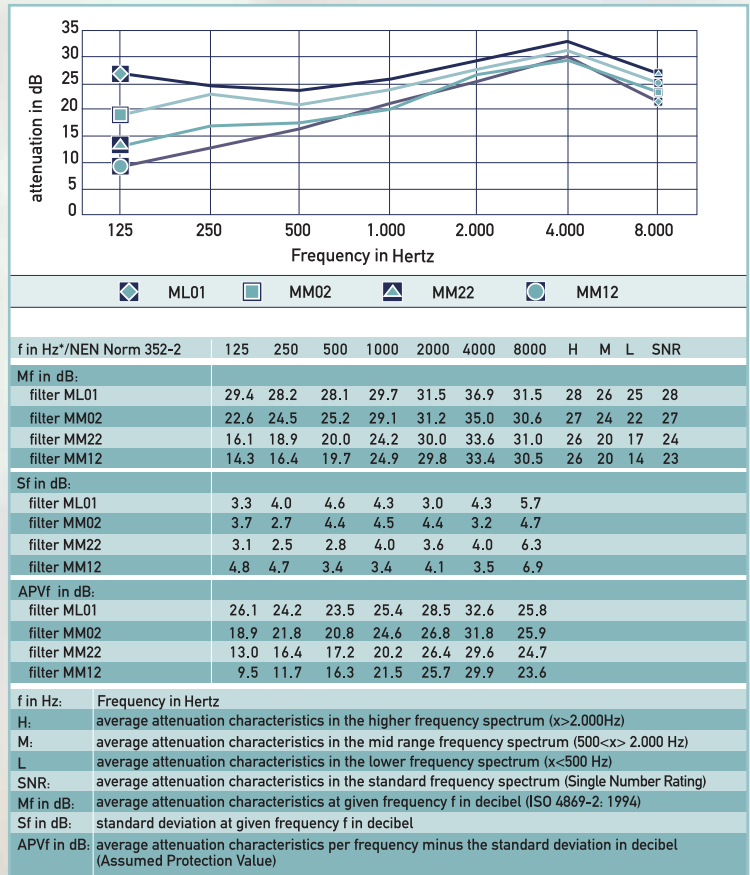
| Noise level | Maximum time within 24 hrs. |
|-------------|-----------------------------|
| 80 dB(A)    | 8 hrs.                      |
| 83 dB(A)    | 4 hrs.                      |
| 86 dB(A)    | 2 hrs.                      |
| 89 dB(A)    | 1 hrs.                      |
| 92 dB(A)    | 30 min.                     |
| 95 dB(A)    | 15 min.                     |

A motorcyclist riding at 100km/h can only drive at this speed for approx. 20 minutes; at 120 km/h this is 7 minutes and at 140 km/h only 3 minutes. In these cases hearing protection is essential. The Biopact FlexComfort is standard manufactured from soft FlexFit material (60 Shore) in a clear transparent color. At request it is possible to have them manufactured in the colors red, blue, black, yellow or beige. Depending on the noise level the following filters can be supplied: ML01, MM02, MM22 and MM12.

## Applications of use

- Motorbike riders
- Drivers of convertible cars
- Dirt bike riders
- Hang gliders
- Skydivers

Below you will find the attenuation characteristics and graphics of ELACIN Biopact FlexComfort.



## Advantages

- Soft and light
- Perfect fit
- Does not protrude the ear
- Attenuates dangerous wind noise
- Comfortable to wear with a helmet
- Safe and comfortable
- No pressure in or on the hearing canal
- Choice of different filters
- Nearly invisible in the ear
- Communication through the intercom is possible
- Speech and surround noise are maintained



The silent solution