

# ELACIN Compact (acrylic)

This compact custom-made hearing protector is made of hard material (acrylic) and is nowadays mainly used in the car industry where silicone material is forbidden. But it is also an outcome for people with a narrow auditory canal or who are allergic to silicones.

The Compact is fitted with a tiny grip to ease insertion and removal. This grip is automatically pre-shaped during the production process so that its size and shape is exactly the same for every Compact. The size of the grip cannot be increased after it has gone through the production process, but it can be made smaller if required.

The Compact lies entirely inside the ear shell, making it practically invisible and eliminating the risk of knocking it.

The Compact is supplied with a cord and shirt clip as standard.

## MATERIAL

The Compact is made from hard material.

## CHOICE OF FILTERS

Depending on the noise level, there is a choice of four different ELACIN filters:

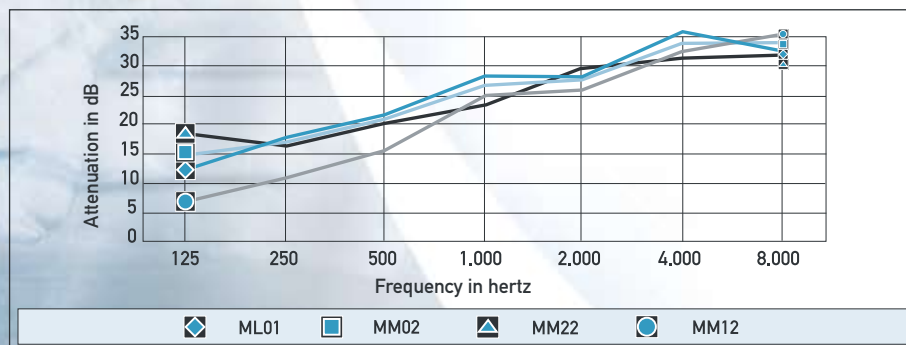
- MM12 filter (beige)
- MM22 filter (grey)
- MMo2 filter (brown)
- MMo1 filter (black)

## ATTENUATION CHARACTERISTICS

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

Freq.	: frequency in hertz
H	: high frequency attenuation (f > 2000 Hz)
M	: medium attenuation frequency (f > 500 and f < 2000 Hz)
L	: low attenuation frequency (f < 500 Hz)
SNR	: Single Number Rating, to be deducted from C-weighted noise level
Mf in dB	: average attenuation characteristics at given frequency f
S <sub>f</sub> in dB	: standard deviation at given frequency f
APV <sub>f</sub> in dB	: assumed Protection Value (M <sub>f</sub> - 1x S <sub>f</sub> ) in dB, at given frequency f

	Freq. (Hz)	125	250	500	1000	2000	4000	8000	H	M	L	SNR
APV <sub>f</sub> (dB)	MM 12	13,7	17,4	22,6	28,7	27,7	35,1	33,5	30	25	20	28
	MM 22	13,9	17,0	21,3	26,2	27,3	33,2	33,6	29	24	19	27
	MM o2	15,0	16,8	20,1	23,6	28,2	30,1	32,4	28	23	19	26
	ML o1	7,6	11,5	15,6	25,0	25,9	31,0	34,6	28	20	13	23



ELACIN COMPACT (ACRYLIC)



## COLOUR

The standard version of the Compact is supplied in a transparent colour. At an additional charge, this hearing protector is also available in beige, blue, yellow, red and black.

## ADDITIONAL

As an added extra, the Compact can also be fitted with a detection ball, making it suitable for use in the food industry. A detection ball is always supplied in combination with a detectable cord.

## SUITABLE FOR USE IN:

- industrial environments
- the car industry
- the food industry

## BENEFITS

- Custom-made: a perfect fit every time
- Causes no problems if worn for a long time
- Almost invisible in the ear
- No feeling of pressure in the ears
- Speech and surrounding noises remain perceptible
- Safe and comfortable
- Ventilation of the auditory canal
- Choice of filter depending on the noise level
- Quick and easy to clean
- Optionally available with a metal detection ball (e.g. for the food industry)

