

# Moldex Earplugs and Bands

## The Moldex range of earplugs, bands and dispensing systems

- **Pura-Fit** - 7700, Pura-Fit Cord - 6900 • **Spark Plugs soft** - 7800, Spark Plugs soft (PocketPak) - 7802, Spark Plugs soft (Cord) - 7801
- **Rockets<sup>30</sup>** - 6400, Rockets<sup>30</sup> Cord - 6401, Rockets Full Detect - 6409 • **Pura-Band** - 6600 • **Jazz-Band** - 6700, Ersatzstöpsel für Jazz-Band - 6750
- **Moldex Station**: Pura-Fit (250 Paar) - 7725, Pura-Fit (500 Paar) - 7750, Spark Plugs soft (250 Paar) - 7825, Spark Plugs soft (500 Paar) - 7850

### Characteristics

The Moldex range of hearing protection products provide a wide range of options to cover all your hearing protection requirements.

From high attenuation ear plugs such as the "Pura-Fit" and "Spark Plugs soft", reusable ear plugs such as the "Rockets" through to banded ear plugs, the "Jazz-Band" and "Pura-Band" for intermittent noise, all requirements are covered.

To ensure the Rockets Full Detect are fully detectable a metal indicator is embedded into the plug and the cord also contains metal.

All Moldex hearing products have been designed with the user in mind, and high levels of comfort have been engineered in to the products without compromising the optimal protection.

The products are available in basic paper or plastic wrappers, or "PocketPak" and "MoldexStation" for individual dispensing solutions.

### Construction / Materials

Moldex Hearing Products are made of:

- ☐ Pura-Fit, Spark Plugs soft ☐ = Polyurethane
- ☐ Rockets<sup>30</sup> ☐ = Kraton, PVC
- ☐ Rockets Full Detect ☐ = Kraton, PVC, Metal (Iron)
- ☐ Cord, all versions ☐ = PVC
- ☐ Pura-Band ☐ = Kraton, Polypropylene
- ☐ Jazz-Band ☐ = Polyurethane, Polycarbonate,
- ☐ ☐ Polyester-cord
- ☐ PocketPak ☐ = SBC-Polymer
- ☐ MoldexStation ☐ = SBC-Polymer
- ☐

Weights:

- ☐ PURA-FIT (per pair):
- ☐ 7700: ☐ 1 g ☐ 6900: ☐ 2 g
- ☐ SPARK PLUGS SOFT (per pair):
- ☐ 7800: ☐ 1 g ☐ 7801: ☐ 2 g
- ☐ 7802: ☐ 9 g (two pairs including PocketPak)
- ☐
- ☐ ROCKETS (per pair):
- ☐ 6400: ☐ 2,4 g ☐ 6401: ☐ 3,9 g ☐ 6409: ☐ 3,9 g
- ☐
- ☐ JAZZ- BAND:
- ☐ 6700: ☐ 20 g
- ☐
- ☐ PURA- BAND:
- ☐ 6600: ☐ 11 g

### Certification

The Moldex range of plugs and bands for hearing protection meet the requirements of EN352-2: 1993 and are CE-Marked in accordance with the requirements of European Directive 89/686/EEC

Responsible for type examination (Article 10):

"Spark Plugs soft": FIOH (0403) in Helsinki (FIN)

"Rockets": INSPEC (0194) in Wingrave (UK)

All other products: BIA (0121) in St. Augustin (DE).

### Attenuation Data

The Moldex range of hearing protection passes the EN 352-2 minimum attenuation requirements set out in the table below. The A.P. V. values ( $M_f$ - $S_f$ ) of the ear-plugs and bands must exceed the data in the table. Below that is presented the full attenuation data tables for the Moldex products.

| Minimum attenuation requirement (dB) |    |     |     |      |      |      |      |      |
|--------------------------------------|----|-----|-----|------|------|------|------|------|
| Freq. (Hz)                           | 63 | 125 | 250 | 500  | 1000 | 2000 | 4000 | 8000 |
| A.P.V (dB)                           | -  | 5.0 | 8.0 | 10.0 | 12.0 | 12.0 | 12.0 | 12.0 |

| Pura-Fit (7700), Pura-Fit Cord (6900) |                                           |      |      |      |      |      |      |      |
|---------------------------------------|-------------------------------------------|------|------|------|------|------|------|------|
| Freq. (Hz)                            | 63                                        | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |
| $M_f$ (dB)                            | 20.0                                      | 26.2 | 33.1 | 38.0 | 39.0 | 34.3 | 42.3 | 43.3 |
| $S_f$ (dB)                            | 6.0                                       | 6.2  | 8.1  | 6.1  | 3.8  | 2.5  | 3.4  | 5.5  |
| A.P.V (dB)                            | 14.0                                      | 20.0 | 25.0 | 31.9 | 35.2 | 31.8 | 38.9 | 37.8 |
| size: 6-12                            | H = 34 dB M = 32 dB L = 26 dB SNR = 34 dB |      |      |      |      |      |      |      |

| Spark Plugs soft (7800 / 7802), Spark Plugs soft Cord (7801) |                                           |      |      |      |      |      |      |  |
|--------------------------------------------------------------|-------------------------------------------|------|------|------|------|------|------|--|
| Freq. (Hz)                                                   | 125                                       | 250  | 500  | 1000 | 2000 | 4000 | 8000 |  |
| $M_f$ (dB)                                                   | 36,0                                      | 36,7 | 39,0 | 36,0 | 37,0 | 46,7 | 44,6 |  |
| $S_f$ (dB)                                                   | 6,0                                       | 6,1  | 6,5  | 5,9  | 4,9  | 3,2  | 3,8  |  |
| A.P.V (dB)                                                   | 30,0                                      | 30,6 | 32,5 | 30,1 | 32,1 | 43,5 | 40,8 |  |
| size: 6-12                                                   | H = 34 dB M = 32 dB L = 31 dB SNR = 35 dB |      |      |      |      |      |      |  |

| Rockets <sup>30</sup> (6400), Rockets <sup>30</sup> Cord (6401) |                                           |      |      |      |      |      |      |      |
|-----------------------------------------------------------------|-------------------------------------------|------|------|------|------|------|------|------|
| Freq. (Hz)                                                      | 63                                        | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |
| $M_f$ (dB)                                                      | 31.3                                      | 32.0 | 30.4 | 31.9 | 32.4 | 34.5 | 42.0 | 41.8 |
| $S_f$ (dB)                                                      | 5.7                                       | 8.2  | 7.2  | 8.8  | 6.6  | 4.8  | 3.1  | 3.6  |
| A.P.V (dB)                                                      | 25.6                                      | 23.8 | 23.2 | 23.1 | 25.8 | 29.7 | 38.9 | 38.2 |
| size: 7-11                                                      | H = 31 dB M = 26 dB L = 24 dB SNR = 30 dB |      |      |      |      |      |      |      |

| Rockets Full Detect (6409) |                                           |      |      |      |      |      |      |      |
|----------------------------|-------------------------------------------|------|------|------|------|------|------|------|
| Freq. (Hz)                 | 63                                        | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |
| $M_f$ (dB)                 | 27.4                                      | 27.3 | 25.7 | 27.1 | 27.2 | 33.3 | 36.4 | 40.8 |
| $S_f$ (dB)                 | 4.7                                       | 5.5  | 5.3  | 6.1  | 5.0  | 6.1  | 3.1  | 3.4  |
| A.P.V (dB)                 | 22.7                                      | 21.8 | 20.4 | 21.8 | 22.2 | 27.2 | 33.3 | 37.4 |
| size: 7-11                 | H = 28 dB M = 23 dB L = 22 dB SNR = 27 dB |      |      |      |      |      |      |      |

| Jazz-Band (6700) |                                           |      |      |      |      |      |      |      |
|------------------|-------------------------------------------|------|------|------|------|------|------|------|
| Freq. (Hz)       | 63                                        | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |
| $M_f$ (dB)       | 24.8                                      | 25.1 | 21.4 | 19.2 | 23.3 | 29.4 | 35.8 | 35.7 |
| $S_f$ (dB)       | 3.9                                       | 4.2  | 3.1  | 4.0  | 3.5  | 5.1  | 5.2  | 6.1  |
| A.P.V (dB)       | 20.9                                      | 20.9 | 18.3 | 15.2 | 19.8 | 24.3 | 30.6 | 29.6 |
| size: 9-14       | H = 25 dB M = 19 dB L = 18 dB SNR = 23 dB |      |      |      |      |      |      |      |

| Pura-Band (6600) |                                           |      |      |      |      |      |      |      |
|------------------|-------------------------------------------|------|------|------|------|------|------|------|
| Freq. (Hz)       | 63                                        | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |
| $M_f$ (dB)       | 23.7                                      | 23.8 | 22.4 | 18.0 | 21.3 | 28.6 | 37.3 | 30.1 |
| $S_f$ (dB)       | 6.5                                       | 5.2  | 4.5  | 4.4  | 3.5  | 3.5  | 4.9  | 7.6  |
| A.P.V (dB)       | 17.2                                      | 18.6 | 17.9 | 13.6 | 17.8 | 25.1 | 32.4 | 22.5 |
| size: 6-13       | H = 24 dB M = 18 dB L = 17 dB SNR = 22 dB |      |      |      |      |      |      |      |

# Moldex Earplugs and Bands

## Testing

The earplugs and bands of the Moldex Hearing Protection range have been tested to EN 352-2 and fulfill all requirements of the relevant categories.

### • Ignitability

The ear plugs or banded earplugs shall not ignite upon application of a heated rod, nor continue to glow after the removal of the heated rod.

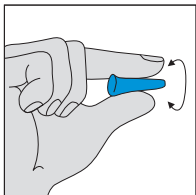
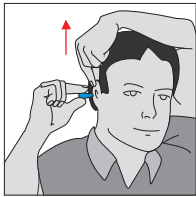
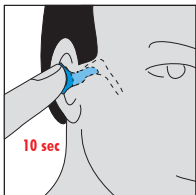
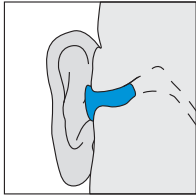
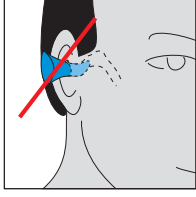
### • Construction

All parts of the ear plugs and banded ear plugs are designed and manufactured so that they are not liable to cause physical damage to the wearer when fitted and used according to the instructions.

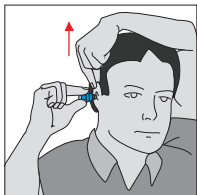
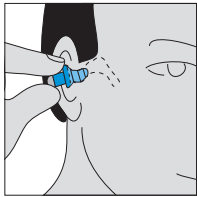
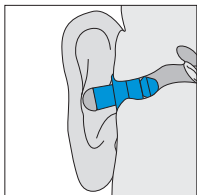
## Instructions For Use

- The plugs and banded plugs must be used in accordance with the relevant national legislation.
- Warning: disregarding the instructions for use and fitting instructions for these products can affect the product efficiency in protecting against noise.
- The products should be stored in a cool, dry environment.
- The products may be adversely affected by direct contact with certain chemical substances (e.g. aromatical hydrocarbons).
- "Pura-Fit" and "Spark Plugs soft" are for single use only.
- "Rockets", "Jazz-Band" and "Pura-Band" are reusable provided the hygiene of the product is maintained between uses. Clean with mild soap and water.

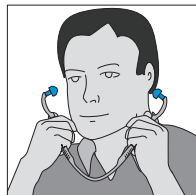
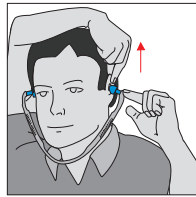
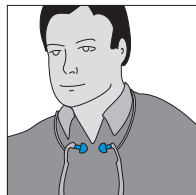
## Instructions For Fitting "Pura-Fit" and "Spark Plugs soft"

-  Roll the plugs between the finger and thumb to compress them for insertion.
-  Reach above the head and pull the ear gently upwards.
-  Slide the plug into the ear canal and hold in place for 10 seconds to let the plug expand and fill the ear.
-  The plug will then be correctly positioned in the ear canal ensuring it offers maximum hearing protection.
- 

## Instructions For Fitting "Rockets"

-  Reach above the head and pull the ear gently upwards.
-  Grip the plastic handle of the Rocket plug and slide the plug into the ear canal. Rotating the plug slightly whilst inserting may help.
-  The plug will then be correctly positioned in the ear canal ensuring it offers maximum hearing protection.

## Instructions For Fitting "Pura-Band" and "Jazz-Band"

-  Place band under chin and gently insert pods into ear canal.
-  Ensure tip of pod is located in ear canal. Grasp top of ear, pull upwards and gently push pod into ear.
-  **Only for Jazz-Band:**  
During work breaks let band hang around the neck.

### INFO:

For help on selection and training please contact us. We offer a wide range of training packages and support material.