

Datasheet Foam Earplugs




Protection against noise



MOLDEx

-  **7800:** Spark Plugs^{®soft}
-  **7801:** Spark Plugs^{®soft} Cord
-  **7802:** Spark Plugs^{®soft} PocketPak
-  **7812:** Spark Plugs^{®soft} Blister
-  **7809:** Spark Plugs[®] Detect

-  **7400:** Contours[®]
-  **7403:** Contours[®] small
-  **7700:** Pura-Fit^{®36}
-  **7705:** Pura-Fit^{®36} to go
-  **6900:** Pura-Fit^{®36} Cord

-  **7600:** MelLows
-  As well as all PlugStations and
-  Refill Packs

Characteristics



Special foam formula

Soft comfortable material which when rolled becomes firm for easy insertion.



Contours[®]/Contours[®] small

Extra comfortable shape adapts to the ear canal. Plug in 2 sizes.



Spark Plugs^{®soft}

Appealing colours, tapered design.



Pura-Fit^{®36}

Standard classic shape – bright green colour for easy compliance check.



MelLows[®]

Protection against lower noise levels. Designed to keep the user in touch with the environment.



Spark Plugs[®] Detect

An imbedded metal ball and the detectable cord make this plug fully detectable.



Cords

Allows the user to hang the plugs around the neck during breaks.



PocketPak[®]

Two pairs of Spark Plugs^{®soft} in a practical storage container.



100% PVC-FREE

All Moldex products and packaging are completely free from PVC.

Certification

The Moldex range of hearing protection products meet the requirements of EN 352-2 and are CE-marked in accordance with the requirements of EU regulation (EU)2016/425.

Responsible for type examination (Module B): "Spark Plugs[®]" and "Pura-Fit^{®36}": FIOH (0403) in Helsinki (Finland). "Contours[®]" and "MelLows[®]": IFA (0121) in St. Augustin (DE).

Responsible for monitoring of production of all products (Module D): IFA (0121) in St. Augustin (DE).

The products are manufactured in an ISO 9001 certified plant. According to the German regulation DGUV-Regel 112-194, "Spark Plugs[®]" and "Pura-Fit^{®36}" fulfil the criteria "hearing of general warning signals" and "comprehensible speech". "Pura-Fit^{®36}" also fulfils the criteria "signal noise in road traffic".

Information for the UK market: UKCA-marked in accordance with the requirements of PPE Regulation 2016/425 as brought into UK law and amended. Responsible for Module D surveillance: BSI-Assurance UK Ltd. (Identification number 0086), United Kingdom. UK Importer: Moldex/Metric AG & Co. KG · Unit 9, Glaisdale Point · Off Glaisdale Drive, Bilborough · Nottingham. NG8 4GP · Tel. +44 (0)115 985 4288 · info@uk.moldex-europe.com

Attenuation Data

The Moldex range of hearing protection products passes the EN 352-2 minimum attenuation requirements. The tables below show the full attenuation data for Moldex products.

7400, 7403

Freq. (Hz)	63	125	250	500	1000	2000	4000	8000
M_i (dB)	22.5	29.3	36.6	41.6	38.1	35.6	44.0	43.1
s_i (dB)	8.7	8.0	7.1	5.2	5.0	3.7	3.6	6.0
APV_i (dB)	13.8	21.3	29.5	36.4	33.1	31.9	40.4	37.1

Size: 7400: 6-12, 7403: 5-10 H = 34 dB M = 33 dB L = 28 dB SNR = 35 dB

7800, 7801, 7802, 7812

Freq. (Hz)	63**	125	250	500	1000	2000	4000	8000
M_i (dB)	36.0	36.0	36.7	39.0	36.0	37.0	46.7	44.6
s_i (dB)	6.0	6.0	6.1	6.5	5.9	4.9	3.2	3.8
APV_i (dB)	30.0	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

**EN ISO 4869-2:1995. 125 Hz test values are used.

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7700, 7705, 6900

Freq. (Hz)	63	125	250	500	1000	2000	4000	8000
M _i (dB)	34.4	34.2	35.6	36.6	37.1	37.1	46.5	43.9
s _i (dB)	4.9	6.1	6.2	5.7	5.0	3.5	4.2	4.1
APV _i (dB)	29.5	28.1	29.4	30.9	32.1	33.6	42.3	39.7

Size: 6-12 H = 35 dB M = 33 dB L = 31 dB SNR = 36 dB

7600

Freq. (Hz)	63	125	250	500	1000	2000	4000	8000
M _i (dB)	8.3	12.0	16.7	21.4	27.0	30.7	38.6	44.1
s _i (dB)	5.6	5.0	6.8	6.9	5.7	5.4	7.2	6.9
APV _i (dB)	2.7	7.0	9.9	14.5	21.3	25.3	31.4	37.2

Size: 6-12 H = 26 dB M = 18 dB L = 12 dB SNR = 22 dB

7809

Freq. (Hz)	63	125	250	500	1000	2000	4000	8000
M _i (dB)	30.9	33.7	33.8	37.4	36.2	36.0	46.0	46.5
s _i (dB)	8.1	9.8	10.0	10.2	8.6	6.4	4.5	3.8
APV _i (dB)	22.8	23.9	23.8	27.2	27.6	29.6	41.5	42.7

Size: 7-12 H = 32 dB M = 28 dB L = 26 dB SNR = 32 dB

Materials

Contours[®], Spark Plugs^{®soft}, Pura-Fit^{®36}, MelLows[®]: Polyurethane
Spark Plugs[®] Detect: Polyurethane, Metal (Iron)
Cord: Thermoplastic Elastomere (TPE)
Cord Detect: TPE, Metal (Iron)
PocketPak: Polystyrene

Weight (per pair)

Contours[®]: 1.8 g (7400); 1.2 g (7403)
Spark Plugs^{®soft}, MelLows[®]: 1.3 g; 2.3 g (with Cord)
PocketPak[®]: 6.1 g
Pura-Fit^{®36}, Spark Plugs[®] Detect: 1.3 g; 2.6 g (with Cord)

Testing

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

Ignitability

The 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 earplugs 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 products 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. aromatic hydrocarbons).
- The products are for single use only

Instructions for fitting



1. Roll the plugs between the finger and thumb to compress them for insertion.



2. Reach above the head and pull the ear gently upwards.



3. Slide the plug into the ear canal and hold in place for 5 seconds to let the plug expand and fill the ear.



Distributed by:



Info

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

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