

# DATASHEET

## DISPOSABLE EARPLUGS

PROTECTION AGAINST NOISE



	Contours®	7400
	Contours® small	7403
	Spark Plugs® <sup>soft</sup>	7800
	Spark Plugs® <sup>soft</sup> Cord	7801
	Spark Plugs® <sup>soft</sup> PocketPak	7802
	Orange	7500

	Pura-Fit® <sup>36</sup>	7700
	Pura-Fit® <sup>36</sup> to go	7705
	Pura-Fit® <sup>36</sup> Cord	6900
	Mellows®	7600
	Spark Plugs® Detect	7809

<b>MoldexStations</b>		
Contours®	(500 pairs)	7450
Contours® small	(500 pairs)	7453
Spark Plugs® <sup>soft</sup>	(250 pairs)	7825
Spark Plugs® <sup>soft</sup>	(500 pairs)	7850
Pura-Fit® <sup>36</sup>	(250 pairs)	7725
Pura-Fit® <sup>36</sup>	(500 pairs)	7750
Mellows®	(250 pairs)	7625
Mellows®	(500 pairs)	7650
Spark Plugs® Detect	(500 pairs)	7859
Mounting bracket for Stations*		7060

### CHARACTERISTICS



**Special foam formula**  
Soft comfortable material which offers stiffness when rolled for easy insertion.



**Contours®/Contours® small**  
Extra comfortable, shape adapted to ear canal. Plug in 2 sizes.



**Spark Plugs®/Orange®**  
Appealing colours, tapered design.



**Pura-Fit®<sup>36</sup>**  
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® in a practical storage container.



**MoldexStation**  
Hygienic dispensing system, dispenser mechanism is automatically replaced with every refill.



**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®", "Orange®" and "Pura-Fit®<sup>36</sup>": 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®<sup>36</sup>" fulfil the criteria "hearing of general warning signals" and "comprehensible speech". "Pura-Fit®<sup>36</sup>" also fulfils the criteria "signal noise in road traffic".

### 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.

<b>7400, 7403</b>								
Freq. (Hz)	63	125	250	500	1000	2000	4000	8000
M <sub>f</sub> (dB)	22.5	29.3	36.6	41.6	38.1	35.6	44.0	43.1
s <sub>f</sub> (dB)	8.7	8.0	7.1	5.2	5.0	3.7	3.6	6.0
APV <sub>f</sub> (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 <b>SNR = 35 dB</b>								

<b>7800, 7802, 7801, 7500</b>								
Freq. (Hz)	63**	125	250	500	1000	2000	4000	8000
M <sub>f</sub> (dB)	36.0	36.0	36.7	39.0	36.0	37.0	46.7	44.6
s <sub>f</sub> (dB)	6.0	6.0	6.1	6.5	5.9	4.9	3.2	3.8
APV <sub>f</sub> (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 <b>SNR = 35 dB</b>								

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

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## DISPOSABLE EARPLUGS

PROTECTION AGAINST NOISE



### 7700, 7705, 6900

Freq. (Hz)	63	125	250	500	1000	2000	4000	8000
$M_f$ (dB)	34.4	34.2	35.6	36.6	37.1	37.1	46.5	43.9
$s_f$ (dB)	4.9	6.1	6.2	5.7	5.0	3.5	4.2	4.1
$APV_f$ (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		<b>SNR = 36 dB</b>	

### 7600

Freq. (Hz)	63	125	250	500	1000	2000	4000	8000
$M_f$ (dB)	8.3	12.0	16.7	21.4	27.0	30.7	38.6	44.1
$s_f$ (dB)	5.6	5.0	6.8	6.9	5.7	5.4	7.2	6.9
$APV_f$ (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		<b>SNR = 22 dB</b>	

### 7809

Freq. (Hz)	63	125	250	500	1000	2000	4000	8000
$M_f$ (dB)	30.9	33.7	33.8	37.4	36.2	36.0	46.0	46.5
$s_f$ (dB)	8.1	9.8	10.0	10.2	8.6	6.4	4.5	3.8
$APV_f$ (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		<b>SNR = 32 dB</b>	

## MATERIALS

<b>Contours<sup>®</sup>, Spark Plugs<sup>®soft</sup>, Orange<sup>®</sup>, Pura-Fit<sup>®36</sup>, Mellows<sup>®</sup>:</b>	Polyurethane
<b>Spark Plugs<sup>® Detect</sup>:</b>	Polyurethane, Metal (Iron)
<b>Cord:</b>	Thermoplastic Elastomere (TPE)
<b>Cord Detect:</b>	TPE, Metal (Iron)
<b>PocketPak<sup>®</sup>:</b>	Polystyrene
<b>MoldexStation:</b>	Polystyrene
<b>Mounting bracket for Station:</b>	Polypropylene

## WEIGHT (PER PAIR)

<b>Contours<sup>®</sup>:</b>	<b>7400:</b> 1.8 g	<b>7403:</b> 1.2 g
<b>Spark Plugs<sup>®soft</sup>, Orange<sup>®</sup>, Mellows<sup>®</sup>:</b>	1.3 g	<b>with Cord:</b> 2.3 g
<b>PocketPak<sup>®</sup>:</b>	6.1 g	
<b>Pura-Fit<sup>®36</sup>, Spark Plugs<sup>® Detect</sup>:</b>	1.3 g	<b>with Cord:</b> 2.6 g

## 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.

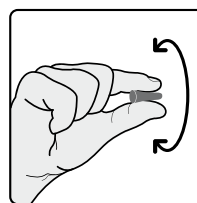
### Construction

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

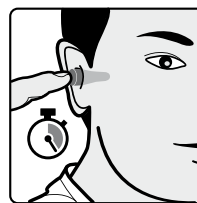
## INSTRUCTIONS FOR FITTING



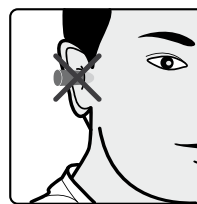
1. Roll the plugs between the finger and thumb to compress them for insertion.



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



## 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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