

















Attenuation Pluggerz (acrylate material)

| FILTER | | FREQ. | 125 HZ | 250 HZ | 500 HZ | 1000 HZ | 2000 HZ | 4000 HZ | 8000 HZ | SNR | H | M | L |
|---|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|-----------|-----------|-----------|---|
| C00 CYAN  | A | 8.4 | 12.5 | 17.8 | 25.0 | 34.1 | 36.3 | 43.6 | 22 | 29 | 19 | 11 | |
| | S | 3.1 | 2.9 | 2.5 | 1.9 | 3.8 | 4.4 | 5.7 | | | | | |
| | APV | 5.3 | 9.6 | 15.3 | 23.1 | 30.3 | 31.9 | 37.9 | | | | | |
| C01 GREEN  | A | 11.1 | 14.9 | 19.1 | 25.1 | 34.2 | 29.6 | 43.4 | 23 | 28 | 20 | 14 | |
| | S | 4.0 | 2.7 | 2.4 | 2.2 | 3.4 | 3.3 | 5.8 | | | | | |
| | APV | 7.1 | 12.2 | 16.7 | 22.9 | 30.8 | 26.3 | 37.6 | | | | | |
| C02 YELLOW  | A | 15.4 | 16.7 | 20.4 | 26.9 | 33.6 | 30.6 | 43.9 | 24 | 28 | 21 | 16 | |
| | S | 3.0 | 2.5 | 3.8 | 2.4 | 3.3 | 4.4 | 6.5 | | | | | |
| | APV | 12.4 | 14.2 | 16.6 | 24.5 | 30.3 | 26.2 | 37.4 | | | | | |
| C03 ORANGE  | A | 16.7 | 19.1 | 21.6 | 26.7 | 34.3 | 31.6 | 43.5 | 26 | 29 | 23 | 18 | |
| | S | 4.1 | 2.6 | 2.7 | 1.9 | 3.2 | 3.9 | 4.3 | | | | | |
| | APV | 12.6 | 16.5 | 18.9 | 24.8 | 31.1 | 27.7 | 39.2 | | | | | |
| C04 RED  | A | 20.8 | 21.1 | 24.4 | 26.6 | 35.4 | 34.5 | 43.0 | 28 | 30 | 24 | 20 | |
| | S | 3.2 | 3.5 | 3.4 | 2.5 | 2.5 | 4.3 | 6.9 | | | | | |
| | APV | 17.6 | 17.6 | 21.0 | 24.1 | 32.9 | 30.2 | 36.1 | | | | | |
| C05 PURPLE  | A | 22.9 | 22.8 | 26.7 | 28.3 | 34.6 | 35.0 | 43.2 | 29 | 31 | 25 | 22 | |
| | S | 3.0 | 3.7 | 4.1 | 3.4 | 3.4 | 4.0 | 3.9 | | | | | |
| | APV | 19.9 | 19.1 | 22.6 | 24.9 | 31.2 | 31.0 | 39.3 | | | | | |
| C06 BLUE  | A | 26.6 | 24.7 | 28.6 | 30.6 | 25.8 | 38.2 | 45.0 | 32 | 33 | 28 | 25 | |
| | S | 3.6 | 2.1 | 2.4 | 2.6 | 3.1 | 3.4 | 4.3 | | | | | |
| | APV | 23.0 | 22.6 | 26.2 | 28.0 | 32.7 | 34.8 | 40.7 | | | | | |
| C07 BLACK  | A | 28.6 | 27.3 | 29.8 | 31.4 | 36.9 | 40.7 | 44.9 | 33 | 34 | 29 | 26 | |
| | S | 4.0 | 3.3 | 3.1 | 2.6 | 3.9 | 2.7 | 4.6 | | | | | |
| | APV | 24.6 | 24.0 | 26.7 | 28.8 | 33.0 | 38.0 | 40.3 | | | | | |
| DM10 OCEAN  | A | 11.0 | 9.1 | 7.2 | 9.5 | 14.3 | 18.0 | 17.0 | 10 | 7 | 6 | 11 | |
| | S | 3.4 | 3.3 | 2.6 | 4.2 | 5.3 | 3.5 | 4.8 | | | | | |
| | APV | 8.3 | 5.8 | 4.6 | 5.3 | 9.0 | 14.5 | 12.2 | | | | | |
| DM15 BLUE  | A | 14.8 | 14.2 | 14.6 | 18.4 | 24.3 | 20.2 | 23.9 | 18 | 19 | 15 | 13 | |
| | S | 3.8 | 3.0 | 2.4 | 3.2 | 3.5 | 2.5 | 3.9 | | | | | |
| | APV | 11.0 | 11.2 | 12.2 | 15.2 | 20.8 | 17.7 | 20.0 | | | | | |
| DM20 WHITE  | A | 26.9 | 23.3 | 24.3 | 26.1 | 24.9 | 18.6 | 18.5 | 19 | 17 | 20 | 20 | |
| | S | 6.8 | 5.3 | 3.9 | 3.0 | 3.3 | 3.6 | 3.0 | | | | | |
| | APV | 20.1 | 18.0 | 20.4 | 23.1 | 21.6 | 15.0 | 15.5 | | | | | |
| DM25 BLACK  | A | 28.7 | 28.5 | 29.4 | 30.2 | 30.7 | 20.9 | 34.4 | 24 | 22 | 24 | 24 | |
| | S | 5.0 | 5.8 | 5.4 | 4.2 | 4.5 | 3.0 | 3.0 | | | | | |
| | APV | 23.7 | 22.7 | 24.0 | 26.0 | 26.2 | 17.9 | 31.4 | | | | | |

Attenuation Lifeshell Protect

| FILTER | | FREQ. | 125 HZ | 250 HZ | 500 HZ | 1000 HZ | 2000 HZ | 4000 HZ | 8000 HZ | SNR | H | M | L |
|---|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|-----------|-----------|-----------|---|
| C01 GREEN  | A | 12.9 | 17.2 | 20.3 | 25.6 | 35.2 | 32.5 | 41.6 | 23 | 28 | 19 | 14 | |
| | S | 5.6 | 4.2 | 5.3 | 3.8 | 4.5 | 3.6 | 5.9 | | | | | |
| | APV | 7.3 | 13 | 15 | 21.8 | 30.7 | 28.9 | 35.7 | | | | | |
| C03 ORANGE  | A | 18.8 | 22.6 | 24.2 | 27.9 | 35.7 | 34.1 | 41.5 | 27 | 30 | 24 | 20 | |
| | S | 3.8 | 4 | 4.1 | 4 | 4.4 | 3.1 | 5 | | | | | |
| | APV | 15 | 18.6 | 20.1 | 23.9 | 31.3 | 31 | 36.5 | | | | | |
| C05 PURPLE  | A | 26.1 | 26.4 | 27.2 | 31.8 | 36.9 | 37.5 | 41.4 | 30 | 32 | 26 | 23 | |
| | S | 4.6 | 6.1 | 4.6 | 4.5 | 3.9 | 3.7 | 5.6 | | | | | |
| | APV | 21.5 | 20.3 | 22.6 | 27.3 | 33 | 33.8 | 35.8 | | | | | |
| C07 BLACK  | A | 28.8 | 29 | 28.7 | 32.5 | 38.2 | 40.8 | 43.6 | 33 | 35 | 29 | 27 | |
| | S | 4.5 | 4.8 | 4.9 | 3.3 | 4.1 | 3.5 | 4.2 | | | | | |
| | APV | 24.3 | 24.2 | 23.8 | 29.2 | 34.1 | 37.3 | 39.4 | | | | | |

Attenuation Pluggerz hearing Protector:

A Average attenuation in dB

S Standard deviation in dB

APV Assumed protection value in dB


















SNR Single number rating

H Protection value in high frequencies in dB

M Protection value in medium frequencies in dB

L Protection value in low frequencies in dB

Attenuation Pluggers (silicone material)

| FILTER | | FREQ. | 125 HZ | 250 HZ | 500 HZ | 1000 HZ | 2000 HZ | 4000 HZ | 8000 HZ | SNR | H | M | L |
|------------------------------|---|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|-----------|-----------|-----------|
| C00 CYAN |  | A | 9.3 | 13.8 | 17.5 | 22.6 | 31.3 | 31.8 | 31.6 | 21 | 26 | 18 | 12 |
| | | S | 3.6 | 3.6 | 3.5 | 2.6 | 3.9 | 3.1 | 4.6 | | | | |
| | | APV | 5.7 | 10.2 | 14.0 | 20.0 | 27.4 | 28.7 | 27.0 | | | | |
| C01 GREEN |  | A | 9.1 | 14.1 | 19.2 | 23.8 | 29.2 | 30.9 | 29.1 | 22 | 26 | 19 | 13 |
| | | S | 3.0 | 1.8 | 2.6 | 2.9 | 3.5 | 2.6 | 3.6 | | | | |
| | | APV | 6.1 | 12.3 | 16.6 | 20.9 | 25.7 | 28.3 | 25.5 | | | | |
| C02 YELLOW |  | A | 12.6 | 14.3 | 20.5 | 23.0 | 30.5 | 31.0 | 31.1 | 22 | 26 | 19 | 14 |
| | | S | 2.9 | 2.9 | 3.4 | 3.4 | 3.8 | 3.8 | 3.6 | | | | |
| | | APV | 9.7 | 11.4 | 17.1 | 19.6 | 26.7 | 27.2 | 27.5 | | | | |
| C03 ORANGE |  | A | 14.5 | 17.9 | 21.4 | 23.0 | 30.2 | 31.5 | 32.9 | 23 | 26 | 20 | 16 |
| | | S | 4.5 | 3.6 | 3.8 | 3.8 | 3.7 | 2.4 | 4.0 | | | | |
| | | APV | 10.0 | 14.3 | 17.6 | 19.2 | 26.5 | 29.1 | 28.9 | | | | |
| C04 RED |  | A | 18.7 | 20.4 | 23.4 | 23.3 | 30.9 | 32.1 | 32.8 | 24 | 26 | 21 | 18 |
| | | S | 3.8 | 4.4 | 3.4 | 3.8 | 3.4 | 2.4 | 5.1 | | | | |
| | | APV | 14.9 | 16.0 | 20.0 | 19.5 | 27.5 | 29.7 | 27.7 | | | | |
| C05 PURPLE |  | A | 19.8 | 20.2 | 22.7 | 23.9 | 30.7 | 33.2 | 33.5 | 25 | 27 | 22 | 19 |
| | | S | 3.7 | 3.0 | 3.2 | 2.4 | 3.5 | 2.7 | 5.3 | | | | |
| | | APV | 16.1 | 17.2 | 19.5 | 21.5 | 27.2 | 30.5 | 28.2 | | | | |
| C06 BLUE |  | A | 24.1 | 22.9 | 24.0 | 24.9 | 31.8 | 32.5 | 33.5 | 27 | 28 | 23 | 21 |
| | | S | 2.5 | 3.8 | 3.1 | 2.4 | 3.7 | 2.2 | 3.6 | | | | |
| | | APV | 21.6 | 19.1 | 20.9 | 22.5 | 28.1 | 30.3 | 29.9 | | | | |
| C07 BLACK |  | A | 23.2 | 22.6 | 23.6 | 24.3 | 33.1 | 32.4 | 33.5 | 26 | 28 | 23 | 20 |
| | | S | 4.2 | 4.5 | 2.9 | 2.6 | 4.1 | 3.3 | 4.7 | | | | |
| | | APV | 19.0 | 18.1 | 20.7 | 21.7 | 29.0 | 29.1 | 28.8 | | | | |
| TRAVEL NEON PINK |  | A | 29.5 | 27.2 | 28.8 | 29.0 | 33.3 | 40.3 | 33.0 | 28 | 29 | 25 | 24 |
| | | S | 5.3 | 5.1 | 4.5 | 4.9 | 4.4 | 3.5 | 6.5 | | | | |
| | | APV | 24.2 | 22.1 | 24.3 | 24.1 | 28.9 | 36.8 | 26.5 | | | | |
| DM10 OCEAN |  | A | 11.7 | 9.1 | 7.2 | 9.5 | 14.3 | 18.0 | 17.0 | 10 | 10 | 6 | 6 |
| | | S | 3.4 | 3.3 | 2.6 | 4.2 | 5.3 | 3.5 | 4.8 | | | | |
| | | APV | 8.3 | 5.8 | 4.6 | 5.3 | 9.0 | 14.5 | 12.2 | | | | |
| DM15 BLUE |  | A | 18.4 | 17.7 | 15.9 | 18.1 | 18.3 | 19.4 | 17.5 | 16 | 14 | 14 | 14 |
| | | S | 2.9 | 2.9 | 3.3 | 4.0 | 4.4 | 2.5 | 4.5 | | | | |
| | | APV | 15.5 | 14.8 | 12.6 | 14.1 | 13.9 | 16.9 | 13.0 | | | | |
| DM20 WHITE |  | A | 24.3 | 22.5 | 22.0 | 21.9 | 18.8 | 19.9 | 16.6 | 18 | 15 | 18 | 19 |
| | | S | 3.8 | 2.3 | 2.7 | 2.5 | 4.1 | 2.5 | 2.9 | | | | |
| | | APV | 20.5 | 20.2 | 19.3 | 19.4 | 14.7 | 17.4 | 13.7 | | | | |
| DM25 BLACK |  | A | 26.7 | 27.4 | 26.9 | 26.3 | 28.3 | 20.2 | 26.7 | 23 | 21 | 22 | 23 |
| | | S | 3.4 | 3.6 | 3.7 | 3.2 | 3.8 | 2.6 | 2.8 | | | | |
| | | APV | 23.3 | 23.8 | 23.2 | 23.1 | 24.5 | 17.6 | 23.9 | | | | |
| SLEEP BLUE |  | A | 26.2 | 24.7 | 24.3 | 25.1 | 33.0 | 37.8 | 39.1 | 27 | 29 | 23 | 22 |
| | | S | 5.7 | 3.5 | 4.2 | 3.3 | 3.4 | 2.7 | 5.5 | | | | |
| | | APV | 20.5 | 21.2 | 20.1 | 21.8 | 29.6 | 35.1 | 33.6 | | | | |
| M15 2-IN-1 BLUE |  | A | 19.4 | 18.1 | 17.0 | 16.8 | 17.5 | 17.8 | 18.2 | 15 | 14 | 13 | 13 |
| | | S | 4.2 | 4.8 | 4.2 | 4.0 | 3.7 | 2.1 | 4.6 | | | | |
| | | APV | 15.2 | 13.3 | 12.8 | 12.8 | 13.8 | 15.7 | 13.6 | | | | |
| M20 2-IN-1 GREY |  | A | 25.0 | 22.4 | 23.2 | 24.3 | 28.1 | 20.4 | 20.9 | 21 | 20 | 21 | 21 |
| | | S | 3.9 | 2.5 | 3.2 | 3.1 | 3.9 | 1.9 | 4.0 | | | | |
| | | APV | 21.1 | 19.9 | 20.0 | 21.2 | 24.2 | 18.5 | 16.9 | | | | |
| M25 2-IN-1 YELLOW |  | A | 26.2 | 25.3 | 25.8 | 27.3 | 30.4 | 20.7 | 32.6 | 24 | 22 | 22 | 22 |
| | | S | 4.4 | 4.2 | 5.2 | 3.8 | 3.8 | 1.9 | 4.6 | | | | |
| | | APV | 21.8 | 21.1 | 20.6 | 23.5 | 26.6 | 18.8 | 28.0 | | | | |

Attenuation Pluggers hearing Protector:

A Average attenuation in dB
 S Standard deviation in dB
 APV Assumed protection value in dB

SNR Single number rating
 H Protection value in high frequencies in dB
 M Protection value in medium frequencies in dB
 L Protection value in low frequencies in dB

Attenuation Pluggerz earplugs Uni-Fit

| PRODUCT | FREQ. | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | 8000 Hz | SNR | H | M | L |
|---------------|-------|-------|--------|--------|--------|---------|---------|---------|---------|-----|----|----|----|
| MUSIC | A | 17.7 | 19.0 | 19.1 | 18.3 | 22.2 | 30.5 | 28.9 | 27.1 | 22 | 24 | 18 | 16 |
| | S | 5.5 | 3.5 | 4.6 | 3.5 | 3.8 | 4.3 | 3.1 | 3.8 | | | | |
| | APV | 12.2 | 15.5 | 14.5 | 14.8 | 18.4 | 26.2 | 25.8 | 23.3 | | | | |
| SLEEP | A | 25.1 | 24.8 | 23.7 | 23.9 | 27.1 | 32.4 | 37.7 | 37.9 | 27 | 28 | 24 | 21 |
| | S | 4.5 | 3.8 | 4.6 | 3.4 | 3.3 | 4.2 | 6.7 | 8.0 | | | | |
| | APV | 20.6 | 21.0 | 19.1 | 20.5 | 23.8 | 28.2 | 31.0 | 29.9 | | | | |
| WATER | A | 17.3 | 18.9 | 21.1 | 22.7 | 27.3 | 31.0 | 31.9 | 32.2 | 25 | 27 | 22 | 19 |
| | S | 3.1 | 4.4 | 3.4 | 4.0 | 4.2 | 3.6 | 5.7 | 3.7 | | | | |
| | APV | 14.2 | 14.2 | 17.7 | 18.7 | 23.1 | 27.4 | 26.2 | 28.5 | | | | |
| ROAD | A | 17.8 | 19.5 | 19.6 | 20.8 | 24.7 | 29.8 | 28.7 | 31.0 | 23 | 24 | 20 | 17 |
| | S | 6.3 | 3.7 | 5.0 | 4.6 | 4.6 | 4.6 | 4.7 | 6.0 | | | | |
| | APV | 11.5 | 15.8 | 14.6 | 16.2 | 20.1 | 25.2 | 24.0 | 25.0 | | | | |
| TRAVEL | A | 25.6 | 26.4 | 25.5 | 26.5 | 27.9 | 31.8 | 30.1 | 30.3 | 27 | 27 | 25 | 23 |
| | S | 4.8 | 3.0 | 2.5 | 3.8 | 2.4 | 3.3 | 4.4 | 6.5 | | | | |
| | APV | 20.8 | 12.4 | 14.2 | 16.6 | 24.5 | 30.3 | 26.2 | 37.4 | | | | |
| SHOOT & QUIET | A | 25.0 | 24.8 | 25.7 | 26.8 | 29.3 | 32.1 | 36.5 | 34.2 | 26 | 27 | 22 | 20 |
| | S | 6.6 | 7.6 | 6.8 | 7.6 | 6.8 | 5.7 | 5.0 | 4.2 | | | | |
| | APV | 18.4 | 17.2 | 18.9 | 19.2 | 22.4 | 26.4 | 31.5 | 30.0 | | | | |
| MUSIC PREMIUM | A | 19.6 | 20.4 | 17.3 | 16.0 | 15.5 | 20.8 | 20.2 | 19.4 | 16 | 15 | 13 | 13 |
| | S | 3.3 | 3.6 | 4.1 | 4.3 | 3.4 | 4.0 | 4.7 | 4.4 | | | | |
| | APV | 16.3 | 16.8 | 13.2 | 11.7 | 12.1 | 16.8 | 15.5 | 15.0 | | | | |
| PRO (DETEC) | A | 24.1 | 24.6 | 24.5 | 24.1 | 26.5 | 30.4 | 29.0 | 30.9 | 24 | 24 | 21 | 20 |
| | S | 5.3 | 4.8 | 4.3 | 4.8 | 5.7 | 4.7 | 6.4 | 5.5 | | | | |
| | APV | 18.8 | 19.8 | 20.2 | 19.3 | 20.8 | 25.7 | 22.6 | 25.4 | | | | |

Attenuation Pluggerz earmuffs

| PRODUCT | FREQ. | 125 HZ | 250 HZ | 500 HZ | 1000 HZ | 2000 HZ | 4000 HZ | 8000 HZ | SNR | H | M | L |
|---------|-------|--------|--------|--------|---------|---------|---------|---------|------|------|------|------|
| KIDS | A | 11.5 | 15.0 | 25.2 | 28.7 | 33.8 | 35.2 | 35.7 | 25.8 | 29.8 | 23.4 | 14.4 |
| | S | 3.2 | 1.3 | 2.2 | 1.7 | 3.0 | 3.5 | 3.1 | | | | |
| | APV | 8.3 | 13.4 | 22.9 | 27.0 | 30.8 | 31.7 | 32.7 | | | | |

Attenuation Pluggerz hearing Protector:

- A Average attenuation in dB
- S Standard deviation in dB
- APV Assumed protection value in dB

- SNR Single number rating
- H Protection value in high frequencies in dB
- M Protection value in medium frequencies in dB
- L Protection value in low frequencies in dB