

















# Attenuation Pluggerz (acrylate material)

FILTER		FREQ.	125 HZ	250 HZ	500 HZ	1000 HZ	2000 HZ	4000 HZ	8000 HZ	SNR	H	M	L
<b>C00 CYAN</b> 	A	8.4	12.5	17.8	25.0	34.1	36.3	43.6	<b>22</b>	<b>29</b>	<b>19</b>	<b>11</b>	
	S	3.1	2.9	2.5	1.9	3.8	4.4	5.7					
	<b>APV</b>	<b>5.3</b>	<b>9.6</b>	<b>15.3</b>	<b>23.1</b>	<b>30.3</b>	<b>31.9</b>	<b>37.9</b>					
<b>C01 GREEN</b> 	A	11.1	14.9	19.1	25.1	34.2	29.6	43.4	<b>23</b>	<b>28</b>	<b>20</b>	<b>14</b>	
	S	4.0	2.7	2.4	2.2	3.4	3.3	5.8					
	<b>APV</b>	<b>7.1</b>	<b>12.2</b>	<b>16.7</b>	<b>22.9</b>	<b>30.8</b>	<b>26.3</b>	<b>37.6</b>					
<b>C02 YELLOW</b> 	A	15.4	16.7	20.4	26.9	33.6	30.6	43.9	<b>24</b>	<b>28</b>	<b>21</b>	<b>16</b>	
	S	3.0	2.5	3.8	2.4	3.3	4.4	6.5					
	<b>APV</b>	<b>12.4</b>	<b>14.2</b>	<b>16.6</b>	<b>24.5</b>	<b>30.3</b>	<b>26.2</b>	<b>37.4</b>					
<b>C03 ORANGE</b> 	A	16.7	19.1	21.6	26.7	34.3	31.6	43.5	<b>26</b>	<b>29</b>	<b>23</b>	<b>18</b>	
	S	4.1	2.6	2.7	1.9	3.2	3.9	4.3					
	<b>APV</b>	<b>12.6</b>	<b>16.5</b>	<b>18.9</b>	<b>24.8</b>	<b>31.1</b>	<b>27.7</b>	<b>39.2</b>					
<b>C04 RED</b> 	A	20.8	21.1	24.4	26.6	35.4	34.5	43.0	<b>28</b>	<b>30</b>	<b>24</b>	<b>20</b>	
	S	3.2	3.5	3.4	2.5	2.5	4.3	6.9					
	<b>APV</b>	<b>17.6</b>	<b>17.6</b>	<b>21.0</b>	<b>24.1</b>	<b>32.9</b>	<b>30.2</b>	<b>36.1</b>					
<b>C05 PURPLE</b> 	A	22.9	22.8	26.7	28.3	34.6	35.0	43.2	<b>29</b>	<b>31</b>	<b>25</b>	<b>22</b>	
	S	3.0	3.7	4.1	3.4	3.4	4.0	3.9					
	<b>APV</b>	<b>19.9</b>	<b>19.1</b>	<b>22.6</b>	<b>24.9</b>	<b>31.2</b>	<b>31.0</b>	<b>39.3</b>					
<b>C06 BLUE</b> 	A	26.6	24.7	28.6	30.6	35.8	38.2	45.0	<b>32</b>	<b>33</b>	<b>28</b>	<b>25</b>	
	S	3.6	2.1	2.4	2.6	3.1	3.4	4.3					
	<b>APV</b>	<b>23.0</b>	<b>22.6</b>	<b>26.2</b>	<b>28.0</b>	<b>32.7</b>	<b>34.8</b>	<b>40.7</b>					
<b>C07 BLACK</b> 	A	28.6	27.3	29.8	31.4	36.9	40.7	44.9	<b>33</b>	<b>34</b>	<b>29</b>	<b>26</b>	
	S	4.0	3.3	3.1	2.6	3.9	2.7	4.6					
	<b>APV</b>	<b>24.6</b>	<b>24.0</b>	<b>26.7</b>	<b>28.8</b>	<b>33.0</b>	<b>38.0</b>	<b>40.3</b>					
<b>DM10 OCEAN</b> 	A	11.0	9.1	7.2	9.5	14.3	18.0	17.0	<b>10</b>	<b>7</b>	<b>6</b>	<b>11</b>	
	S	3.4	3.3	2.6	4.2	5.3	3.5	4.8					
	<b>APV</b>	<b>8.3</b>	<b>5.8</b>	<b>4.6</b>	<b>5.3</b>	<b>9.0</b>	<b>14.5</b>	<b>12.2</b>					
<b>DM15 BLUE</b> 	A	14.8	14.2	14.6	18.4	24.3	20.2	23.9	<b>18</b>	<b>19</b>	<b>15</b>	<b>13</b>	
	S	3.8	3.0	2.4	3.2	3.5	2.5	3.9					
	<b>APV</b>	<b>11.0</b>	<b>11.2</b>	<b>12.2</b>	<b>15.2</b>	<b>20.8</b>	<b>17.7</b>	<b>20.0</b>					
<b>DM20 WHITE</b> 	A	26.9	23.3	24.3	26.1	24.9	18.6	18.5	<b>19</b>	<b>17</b>	<b>20</b>	<b>20</b>	
	S	6.8	5.3	3.9	3.0	3.3	3.6	3.0					
	<b>APV</b>	<b>20.1</b>	<b>18.0</b>	<b>20.4</b>	<b>23.1</b>	<b>21.6</b>	<b>15.0</b>	<b>15.5</b>					
<b>DM25 BLACK</b> 	A	28.7	28.5	29.4	30.2	30.7	20.9	34.4	<b>24</b>	<b>22</b>	<b>24</b>	<b>24</b>	
	S	5.0	5.8	5.4	4.2	4.5	3.0	3.0					
	<b>APV</b>	<b>23.7</b>	<b>22.7</b>	<b>24.0</b>	<b>26.0</b>	<b>26.2</b>	<b>17.9</b>	<b>31.4</b>					

# Attenuation Lifeshell Protect














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

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

## 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