

NOISE REDUCTION INFORMATION

INFORMATION REQUIRED BY THE E.P.A.

The level of noise entering a person's ear, when hearing protector is worn as directed, is closely approximated by the difference between the A-weighted environmental noise level and the NRR.

Example:

1. *The environmental noise level as measured at the ear is 92 dB (A).*
2. *The NRR is 22 decibels (dB).*
3. *The level of noise entering the ear is approximately equal to 70 dB (A).*

CAUTION: For noise environments dominated by frequencies below 500 Hz, the C-weighted environmental noise level should be used. Improper fit of this device will reduce its effectiveness in attenuating noise. Although hearing protectors can be recommended for protection against the harmful effects of impulsive noise, the Noise Reduction Rating (NRR) is based on the attenuation of continuous noise and may not be an accurate indicator of the protection attainable against impulsive noise such as gunfire. Constant or repetitive exposure to impulsive noise may lead to serious injury, temporary or permanent deafness. The Noise Reduction Rating (NRR) calculated from the attenuation data is 22 dB. Mack's® Soft Moldable Silicone Putty Earplugs must be properly fitted to attenuate noise effectively. Refer to directions for proper fit.

SOUND ATTENUATION DATA (ANSI Standard S3.19-1974) NRR 22

Test Frequency in HZ	125	250	500	1000	2000	3150	4000	6300	8000
Mean Attenuation in dB	23.7	23.3	25.0	27.3	34.3	39.2	38.9	38.2	37.4
Standard Deviation in dB	4.0	3.6	2.8	2.7	4.0	4.3	4.2	4.5	4.5

