

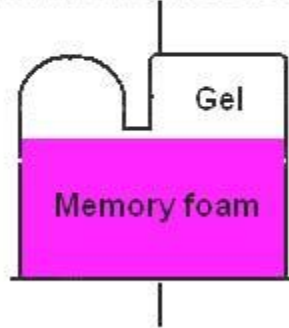
Quiet Ride Ear Muff Pad Design Features

made by
Evans Industries Inc. - Manufacturer of high performance Ear Seals

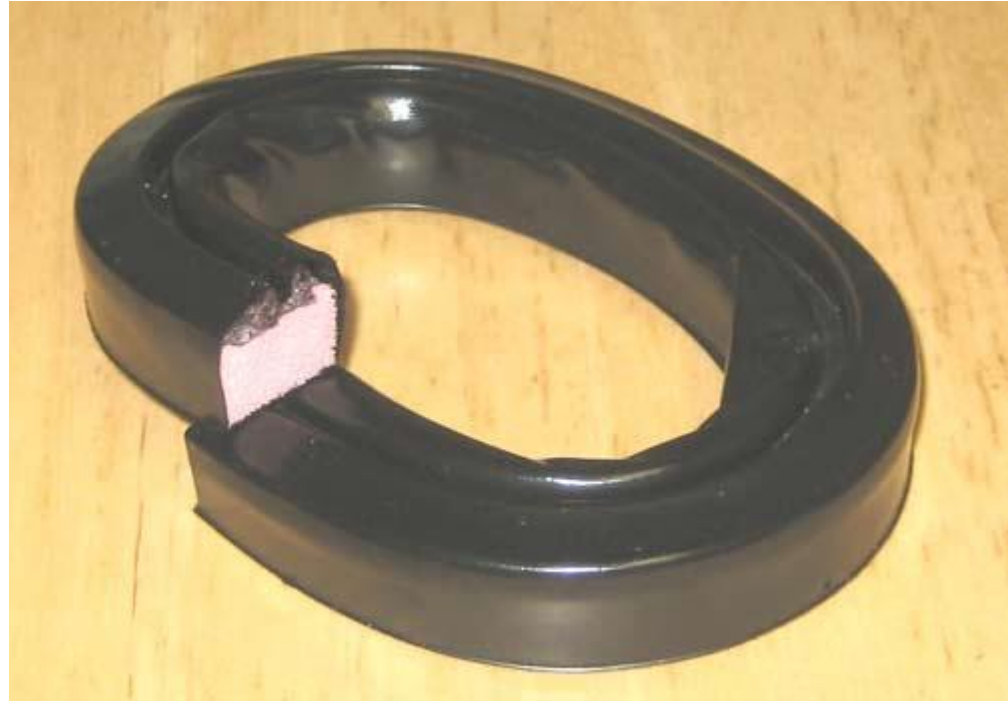
Evans Industries, Inc., Canton, Ohio, specialized in silicone gel filled ear seals over foam using a thermoplastic polyurethane cover. Silicone gel filled ear seals are covered with a tough, versatile, high performance material called thermoplastic polyurethane.

Cross section quality gel/memory foam pad
by
Evans Industries

thermoplastic polyurethane
5 mil thick skin covering



thermoplastic polyurethane
15 mil thick bottom skin covering



Commercial and military pilots use Evans Industries gel filled ear pads as they last up to five years, and must endure hot and cold temperature extremes as well as long term exposure to skin oil, an unexpectedly aggressive substance. These cushions use thermoplastic polyurethane cover over a foam pad, to give them the durability and toughness they require.

Snowmobile and motorcycle helmets take a lot of abuse. They can be left outside where they are exposed to extreme temperatures. The ear muff pad must be strong, impervious to substances such as skin oils, and stay soft and comfortable to wear for hours at a time. Thermoplastic polyurethane is the only material that will remain flexible and reliable under these conditions. Vinyl covered cushions become hard and brittle.



This gel filled ear seal offers superior comfort and fit around eyeglasses and an exceptional seal around the ear cavity. The gel transfers the soft feel thru the very thin thermoplastic polyurethane covering. Thermoplastic polyurethane has tensile strength up to 10,000 psi. Thermoplastic polyurethane is the material of choice for low temperature flexibility down to -40°F.

Evans Industry Inc.

- gel/foam pad installed on Quiet Ride ABS muff cup
- 3/8" memory foam on bottom with 1/4" soft gel on top surface
applies pressing against head around ears

