

AirSil™ Dri-Cool Insole-Game Changing Technology & Comfort



Inert: Doesn't absorb body heat or stiffen up during cold weather. More cushion/supple, better flex/better rebound than silicone gel, urethane(PU) or EVA sockliner/insoles! Long lasting 100% FDA medical grade silicone foam cushion material. Lightweight/latex-free.

Hypo-allergenic, non-toxic and odorless. Ideal for running, hiking, work or medical applications.



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Density ASTM 1056-78 g/cm^3 0.45
Compression Set ASTM 1056-78 % 22H,25% <1%<4%
Durometer Shore C 30-35°
Tensile Strength ASTM D412-75 kg/cm^2 8-10
Tear Strength ASTM D412-75 kg/cm 4-4.5
Elongation ASTM D412-75 % 100-125%
Flame Resistance Required
Temp. Range C -110 to +315°
Water Absorption % 0.50%
Heat Aging Linear Shrinkage ASTM C54871 (7 days) @158° F <1%

Silicone is made from of silicon, a natural element present in sand and rock, which after oxygen, is the most abundant element on earth-no petrochemical content-sustainable! Silicon is transformed into silicone when combined with oxygen, carbon and hydrogen. It is an inert material, so it does not react with the human body/skin and transmits no bad odors nor absorbs any. It also doesn't absorb heat or cold easily meaning it will feel cooler when it is in contact with body heat and not easily absorb heat from sunlight. It remains supple and flexible when in cold environment. It is safe in salt water, non-toxic, hypo-allergenic and does not promote bacteria or fungus growth. Anti-microbial.

Is FDA-food/medical grade silicone material with our proprietary foam compound feel is soft, supple and dry to the touch. Inert property does not absorb body heat-remains cooler. Ideal for contacting hands and feet-comfortable, supple, dry/pleasant feel. Regular silicone is denser, deader/stiffer than AirSil™. AirSil™ silicone foam is superior to ordinary silicone materials (lighter, better stretch, more ergonomic). AirSil™ high rebound exceeds rubber and elastic wear life. ROHS/REACH/ISO-4210-5/GS PAHs compatible.

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