

Wholesale Body Warmers Private Label Adhesive Body Warmer Patches



Place of Origin: Qingdao City Size: 13cmx9.5cm Shelf life: 3 years Product type: body warmer Applicable parts: whole body Fever time: 10 hours Average temperature: 52? Maximum temperature: 68?

Rating: Not Rated Yet

Price

[Contact Supplier](#)

Manufacturer [Qingdao HuoNuo Maxwarm Commodity Co., Ltd](#)

Description

The warm baby's bag is composed of a raw material layer, a gelatin layer and a non-woven bag. The function of the gelatin layer is to prevent the product from reacting before use. The non-woven bag is made of microporous breathable film. When the outer bag is removed, the inner bag (non-woven bag) is exposed to the air. The oxygen enters the inside through the gas-permeable membrane. The time and temperature of the heat release are controlled by the oxygen permeability rate of the gas-permeable membrane. If the oxygen permeation is too fast, the heat will be released at once and the skin may be burned. If the oxygen permeation is too slow, there will be no temperature. The raw material layer is the layer where the reactants are located. The warm baby heating material is mainly composed of iron powder, activated carbon, vermiculite, water, salt and other materials. The reaction principle is to use the galvanic battery to accelerate the oxidation reaction speed and convert chemical energy into heat energy. Among them, iron powder, activated carbon, water, and salt constitute the necessary conditions for the primary battery.



Negative electrode? $\text{Fe} - 2\text{e}^- = \text{Fe}^{2+}$

Positive electrode? $\text{O}_2 + 2\text{H}_2\text{O} + 4\text{e}^- = 4\text{OH}^-$

Total response? $2\text{Fe} + \text{O}_2 + 2\text{H}_2\text{O} = 2\text{Fe}(\text{OH})_2$

$4\text{Fe}(\text{OH})_2 + 2\text{H}_2\text{O} + \text{O}_2 = 4\text{Fe}(\text{OH})_3$? $2\text{Fe}(\text{OH})_3 = \text{Fe}_2\text{O}_3 + 3\text{H}_2\text{O}$





The function of vermiculite is to keep warm. It is an iron-magnesium aluminosilicate mineral with a composition of $Mg_0.5(H_2O)_4Mg_3[AlSi_3O_{10}](OH)_2$. The vermiculite used in the warm baby is vermiculite powder that expands in volume after high-temperature roasting, also known as heat preservation vermiculite. The average bulk density of the expanded vermiculite is 100-200Kg/m³. Because the vermiculite that has been roasted and expanded has a small air barrier, it has good thermal insulation properties.



When the warm baby emits heat, the local heat generated by it will be transferred to the skin and blood at the corresponding location through heat conduction, and then flow through the blood circulation to transfer the heat to all parts of the body. This is why many precautions require people with poor blood circulation not to use warm babies. The poor blood circulation is difficult to transfer local heat, which leads to local overheating.



Maxwarm is one of the leading adhesive body warmers manufacturers in China. We can provide you custom service and help you to improve your warm patches brand.

