

Specification

A kind of cool gel mat for ventilate and heat dissipation

The field of Technology

Invent Patent refer to a kind of cool gel mat for ventilate and heat dissipation

The background of Technology

Now the market cool gel mat only one layer of cooling, the gel water content is low, hard and no elastic, the most problem is no ventilate in the cool gel mat, if people use in summer or hot days, put the market cool gel mat in the bed or chair, the cool gel mat and the bed is no air circulation, the heat can not send out, so, the lasting time of cooling is short.

The content of Invent Patent

This Invent Patent aim to overcome the lack of now technology, provide a high water content, soft and ventilate cooling gel mat. It can absorb the heat from the layer of cooling, then send out from the layer of ventilate immediately, which make the cooling lasting more time.

In order to solve the technology problem, our Invent Patent can be showed as below,our cool gel mat contains the layer of cooling and the layer of ventilate, the surface and back of the layer of cooling all fabric composite material which tie pvc or other plastic on the fabric, the middle is soft cooling gel, in the middle of the layer of cooling has grooves and holes, the edge and of the grooves and holes must sealed via high frequency welding. The layer of ventilate is made by mesh fabric or Nylon fabric, must sewing the layer of cooling and the layer of ventilate, then the hole of the layer of cooling can communicate with the layer of ventilate, which can make the heat send out when the cool gel mat absorb the body temperature, it can improve the time of lasting cooling, very fit for the mattress, pillow, car seat cushion, medical protective pad, mouse pad, computer pad and other physical cooling therapy products etc.

This Invent Patent advantage is when people use, the part of touch the cool gel mat can feel more cooling and lasting long time, more soft, elastic and comfortable, also convenient for out door.

Photos State

Figure 1 is the plan view of cool gel mat

Figure 2 is the cutaway view of photo1 A-A

Details: 1、sewing strip; 2、Nylon Mesh & Mesh fabric; 3、Ventilate hole; 4、Groove; 5、Composite materials of fabric and the PVC, PE, TPU, EVA etc; 6、cooling gel。

Specification

The details of carry out

Figure 1, Figure 2 mentioned is a kind of cool gel mat for ventilate and heat dissipation, the size is 30X40CM, it just one size of a kind of cool gel mat for ventilate and heat dissipation, it also has other sizes as below, 30×45cm、38×42cm、40×40cm、45×45cm、50×50cm、60×90cm、70×90cm、90×90cm and 90×140cm。The content is the same for such many sizes, now we only make a details for 30X40cm to stand for.it contains the layer of cooling and the layer of ventilate, the surface and back of the layer of cooling all fabric composite material which tie pvc or other plastic on the fabric(5), the middle is cooling gel (6)water content about 85% , in the middle of layer of cooling, contains 2 grooves (4) and nine ventilate hoe(3), groove (4) and ventilate hoe (3) and the edge of layer of cooling must sealed via high frequency welding, but before sealed totally, it must have a side not seal, leave about 5cm length opening for liquid cooling gel(6) insert into the bag, after the liquid cooling gel insert into the bag, then sealed completely, then put the plain table for about 6 minutes to make the liquid cooling gel(6) to solid cooling gel. The layer of ventilate contains Nylon Mesh or mesh fabric(2), use the sew strip connect the layer of cooling and the layer of ventilate.

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- 1、 A kind of cool gel mat for ventilate and heat dissipation , it contains the layer of cooling and the layer of ventilate, the surface and back of the layer of cooling all fabric composite material which tie pvc or other plastic on the fabric, the middle is soft cooling gel, in the middle of the layer of cooling has grooves and holes, the edge and of the grooves and holes must sealed via high frequency welding. The layer of ventilate is made by mesh fabric or Nylon fabric, must sewing the layer of cooling and the layer of ventilate, the character is the fabric composite material is each of 100% cotton, TC, Polyester Pongee, Taffeta, Nylon Taffeta,Linen, flocked fabric(8 silk - 10 silk) composite with each of PVC, EVA, PE or TPU (20 silk or 28 silk)
2. According to the right requirement 1 mentioned A kind of cool gel mat for ventilate and heat dissipation, the character is gel thickness from 0.3 - 0.6cm, the water content about 85% sodium polyacrylate or polyacrylamide gel.
3. According to the right requirement 1 mentioned A kind of cool gel mat for ventilate and heat dissipation, the character is groove is two layers of fabric and the composite material become to a sealed fold strip(0.8-1CM width, 15cm length) via high frequency welding.
4. According to the right requirement 1 mentioned A kind of cool gel mat for ventilate and heat dissipation, the character is the high elastic mesh fabric or Nylon Fabric is thickness between 0.6cm - 1cm
5. According to the right requirement 1 mentioned A kind of cool gel mat for ventilate and heat dissipation, the character is sewing strip width is 3.8CM 100% cotton, TC, Polyester,Taffeta etc.