

防褥疮抗菌防霉温感弹性
科技保健床垫及椅垫





MATERIAL FEATURE

products are made of visco-elastic, temperature-sensitive, and open-cell memory foam material. To ensure the density and quality of IMAGIC-27 products are in conformity with the original design, advanced temperature controlled molding compression forming process is adopted to produce the foam material with a porous, breathable skin. IMAGIC-27 material also meets international standards in anti-bacteria, fire-retardant, heavy metal content and food contact testing.

TEMPERATURE-SENSITIVE

special high-molecule material varies its hardness with different temperatures. Under normal room temperature, it is of regular firmer hardness but gets softer when in contact with body temperature. Using this temperature-sensitive feature to create multi-layers of hardness within the material. You will feel a soft, comfortable touch around your body and a firm support away from your body where body heat is not sensed.

PRESSURE RELIEF

material can evenly distribute body weight. Its low counter-rebound feature can effectively relieve pressure and does not press hard on your skin. Low average skin pressure point avoids local numbness and high pressure points, so you can feel more comfort and relaxed in your sleep.

Pressure Relieving Products

OEM/ODM Welcome



61630



62410



61680



71910



61700



61750
61760



91530



A922301

STATIC材质特色

太空科技温度感应记忆材质

一种具有黏弹性（ **Visco-Elastic** ）、温感性（ **Temperature- Sensitive** ）、通孔性结构（ **Open-Cell** ）的特殊温度感应记忆材质制成，此材质原是为帮助航天员吸收起飞及飞行时所产生的庞大振力（ **Vibration** ）与压力（ **G-Force** ）而设计开发，制程采用最先进的低废料「 3D 模具发泡成型技术」，商品不含任何会破坏臭氧层的氟氯碳化合物（ **CFCs** ）成分，质量通过国际抗菌、耐燃测试标准以及欧盟 **RoHS** 无重金属测试和食物接触标准值无毒测试。将此“太空科技”应用于床垫、枕头、坐背垫与生活用品上，必能让您亲身体会前所未有的健康睡眠！



黏彈性

(**Visco-Elastic**)



溫感性

(**Temperature- Sensitive**)



通孔性結構

(**Open-Cell**)

STATIC材质特色

温感、服帖、塑形

特殊温度感应记忆材质能随温度变化而改变软硬度，在舒适的室温下，（20-28度）它会呈现一般的软硬度，当接触了人体体温37度时材质会慢慢变软，利用温感软化的特性，使材质由靠近肌肤的较软触感，到未感应带到提问部位的硬度支撑，呈现出不同温度所对应表现的多层次软硬度变化，其敏锐度甚至连细微的指纹凹凸都能清晰塑形，材质完整包裹背、腰、臀三区块，为身体创造最大的支撑面积，维持良好且平均的压力分布。

超低反弹释压功能

具有低反拨弹性及高效能的释压功能，将易眠材质放置于背包肩带下方，既可明显感受背包重量减轻的无重力感，因为材质可吸收外在施压，并将压力均匀分散，低反拨谈习惯不会压迫皮肤及组织皮肤表层微血管循环，舒适的低均压值（32mmHG）能避免局部压迫产生的酸麻及高压力点，使用为床垫同床时，也不会因翻身或上下床时互相干扰！

STATIC材質特色

模具成型、经久耐用

为确保产品密度与品质符合经久耐用的设计，采用技术与制程都要求很高的3D模具发泡成形技术，使表面形成一层不易磨损，老化的通孔性透气膜，并依使用需求订定商品密度在 $85\text{kg}/\text{m}^3 \sim 110\text{kg}/\text{m}^3$ ($5.3\text{lb}/\text{ft}^3 \sim 6.8\text{lb}/\text{ft}^3$), 约为一般记忆材质的二至三倍，达到舒适并兼具支撑的效果，与动眼睡眠（REM）阶段身体肌肉松弛时，防止腰椎下陷弯曲，避免形成驼背的不良睡姿，让你无论时仰睡或者侧睡，身体各部位均德奥最适度的支撑及维持脊椎自然的生理弯曲。

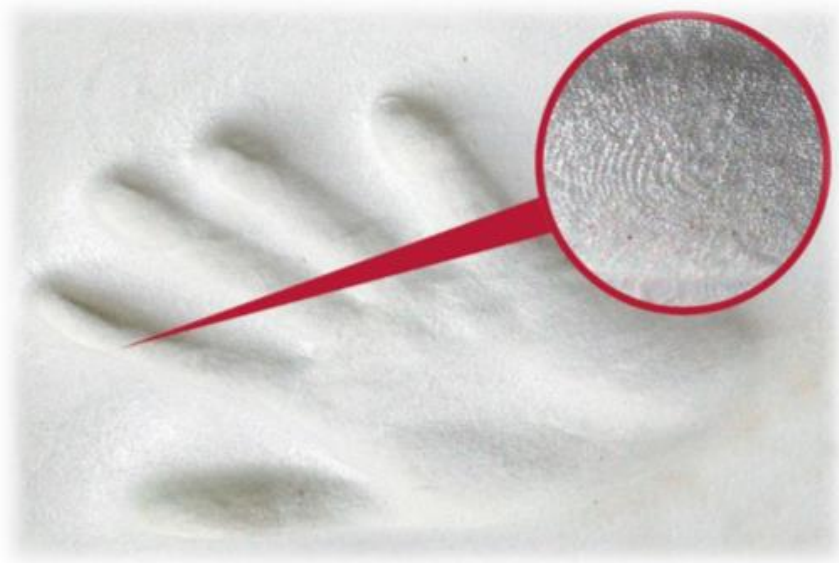
环保制程 Environmental process

不含任何会破坏臭氧层氟氯碳化合物（CFCs）成分，制程采用最先进的低废料3D模具发泡成型技术，有效降低生产制程耗损约20%



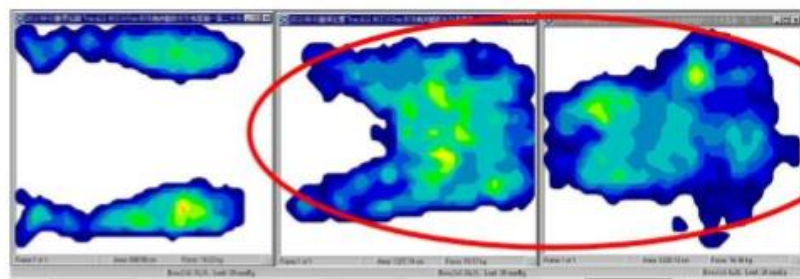
独家温感释压记忆材质：舒适性，褥疮防护

- 低反驳弹性,不会压迫到皮肤和阻碍皮肤表层微血管的血液循环, 舒适的均压值与低峰压值的呈现, 能降低局部压迫产生的褥疮风险。
- 这种特殊材质可随着人的体温来塑形, 为身体创造最大的支撑面积, 降低身体躺卧于床垫的均压值, 更大幅的提升了病患的睡眠品质。

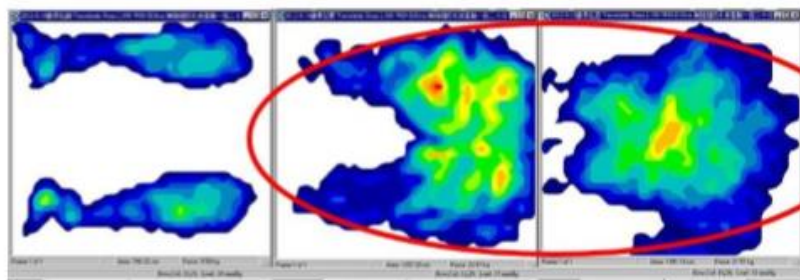


2 HOURS 長時間臥床身體壓力分析

我們的床墊



一般病床墊



Extending application: Anti-decubitus cushion

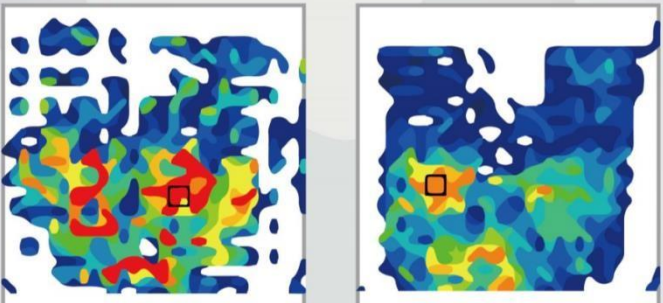
溫感釋壓墊

3 大複合式功能

台灣製造
客製規格

1. 超低均壓表現優於傳統氣墊座。
2. 醫用級透氣防水布套。
3. 保潔布套高透氣、可拆洗。

均壓比較測試



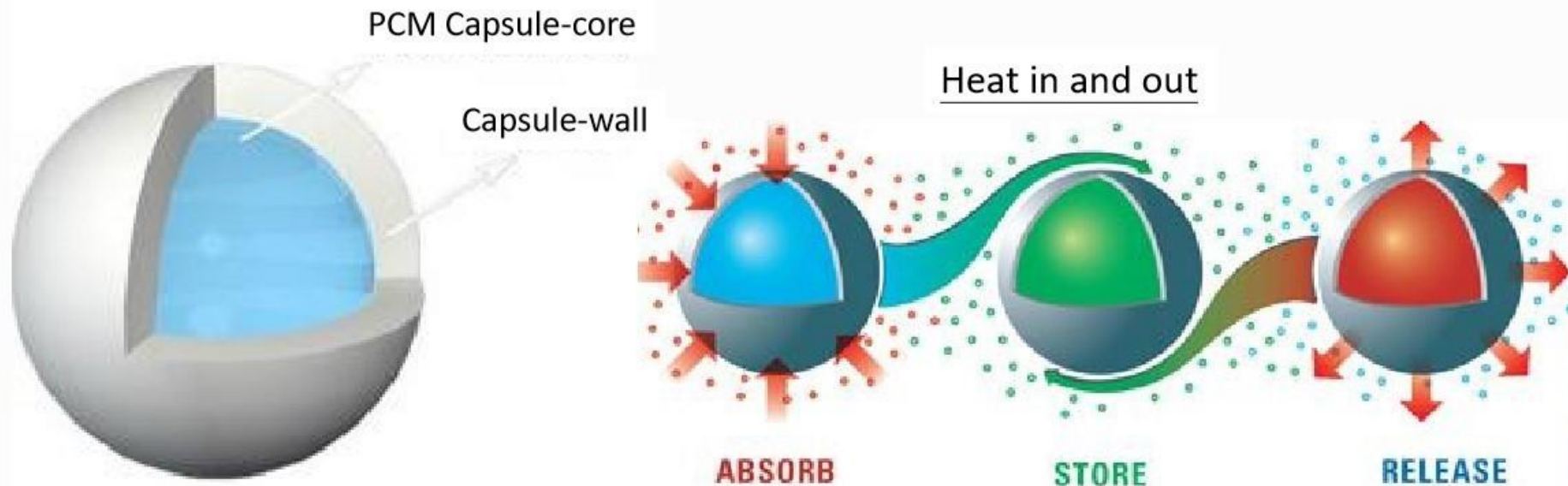
傳統氣墊座 溫感釋壓墊

■ 42 ■ 36 ■ 30 ■ 24 ■ 18 ■ 12 ■ 6 mmHg
圖中呈現■、■代表高壓力點，■、■、■、■、■依序代表低壓力點。

- The **anti-decubitus cushion** using temperature-sensitive PU foam provides a new solution:
 - ▫ **Pressure relief** for pressure sore prevention
 - ▫ Material can **support the body and make body more stable**
- The commercialization of anti-decubitus cushion is cooperated with the **Association of Spinal Cord Injury of Taiwan**.

How PCM Works

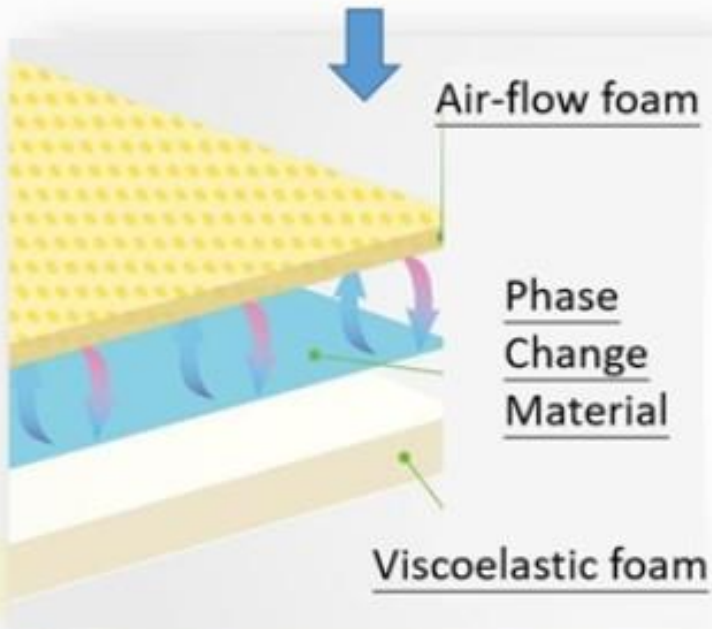
- Our **PCM**(Phase Change Material) is ideal solution for thermal management. This is because it can store and release thermal energy during the process of melting & freezing (changing from one phase to another).
- **PCM facilitates thermal regulation to control temperature change**



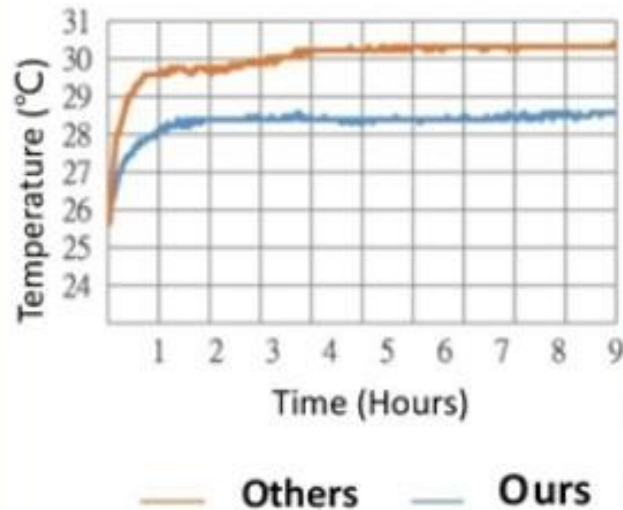
PCM Test Result



- The PCM material is coated into the pillows and mattresses.
- With the PCM material, the temperature can be controlled cooler for 8 hours least.



PCM Experiment result



經使用9小時後,溫感床墊溫度會較一般泡綿溫度低2攝氏度



【資料來源】世大化城基礎工學實驗室
環境設定：25°C / 65%RH 熱源設定：33°C / 約3kg / 0.53kg/cm²

其他應用



應用在各大醫院

- 1500 pcs mattresses in NTUH



- 1000 pcs mattresses in TVGH



成大醫院

National Cheng Kung University Hospital
國立成功大學醫學院附設醫院



臺北榮民總醫院

Taipei Veterans General Hospital



員林基督教醫院

Yuanlin Christian Hospital



天主教靈醫會

羅東聖母醫院

Saint Mary's Hospital Luodong



NTU CANCER CENTER

國立臺灣大學醫學院附設癌醫中心醫院



臺安醫院

應用在各大旅館

- Regent Hotels & Resorts, Taiwan



- All Just Sleep hotels in Taiwan, Silks Hotel Group



- Mandarin Oriental, Taipei



國際認證

US Patent: No. 20180020842A1

Bed Mattress:

Non-Toxicity (90 / 128 / EEC)

No Carcinogens (LGA TUV Rheinland)

Anti-bacterial (JIS L1902, AATCC147)

Flame Retardant (FMVSS 302, CA 117, CFR 1633)

Passed the Non heavy metal test by RoHS of European Union and SGS Lab
Taiwan Passed the anti-mite test of preventing method of Japan

Mattress Cover:

Passed the REACH certification (Human health and environmental friendly)

Passed the RoHS certification (Without heavy metal)

Passed the tests for skin irritation and sensitization (ISO10993-10)

Flame Retardant (CA 117, CFR 1633)

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