

Design begins Taiwan

Material from MSK Chemical

Mode from Qanta Group

Goods for KIREI REZA

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QANTA GROUP

MSK Silicone[®]
特用化學 Chemical

THIS IS MY
SILICONE
LEATHER
KIREI REZA
綺麗綾[®]矽膠皮革

MSK Silicone[®]
特用化學 Chemical

矽膠皮革全制程材料技術應用解決商
New world, New leader, New face

Qanta Group 康達科技集團簡介

康達集團QANTA GROUP自2001年成立以來，已發展具備集合各種新型化學材料研發、生產、加工、銷售並與全球500強企業有合作銷售經驗，擁有國際化水準、技術和服務及提供一條龍製程材料應用科技解決之技術型企業集團，所屬關係企業涵蓋兩岸三地，市場遍及大中華區、亞洲及東南亞。

控股總公司：康達科技國際有限公司；

海外分公司：MERCURY TECHNOLOGY INTEDRNATIONAL LTD；

大陸銷售分公司：深圳力達創新科技有限公司；

亞洲銷售分公司：臺灣鑫眾有限公司；

科研中心及生產工廠：MSK工程技術服務中心、麥德思工業有限公司等五家公司。

康達集團QANTA GROUP作為全球矽化學應用科技材料、電子化工高分子材料、綠能及環保化學品材料、精密薄膜塗布材料等的全制程應用技術型供應商，自創建以來在有機矽材料的多元發展專案中，發展出各式新型材料增加客戶在特殊制程上的應用材料為我司發展的目標，並可提供便捷服務及創新可持續的製程解決方案給予客戶專業諮詢服務和技術支持。

康達集團QANTA GROUP多年以來致力與各式品牌在特用化學品材料通路的建構，並發展半成品及成品設計，除代理國際性品牌材料之外也協助客戶創新產品。康達集團QANTA GROUP擁有以下幾大品牌：MSK Chemical特用矽化學、Siparts矽派矽膠半成品、COMALL康盟生活優品、KIREIREZA綺麗綾矽膠皮革、Qantek康酷導熱材料。

Qanta Group Since its establishment in 2001, we have developed a technology-based enterprise group, which has the experience of R & D, production, processing and sales of various new chemical materials, and has cooperative sales experience with global top 500 enterprises. It has international standards, technology and services, and provides one-stop technological solutions for the application of process materials. Its affiliated enterprises cover both sides of the Taiwan Strait, with a wide market, including greater China,

Asia and the East South Asia. Holding head office:

Qanta Technology International Co., Ltd.

Overseas branch: Mercury Technology International Ltd.

Mainland sales branch: Shenzhen Lida Innovation Technology Co., Ltd.

Asian sales branch: Taiwan Xinzhong Co., Ltd.

Scientific research center and production plant:

MSK Engineering Technology Service Center and MIDAS Industry Co., Ltd.

For many years, Quanta group of Qanta group has been committed to the construction of special chemical materials channel with various brands, and has developed semi-finished and finished product design. In addition to acting as an agent for international brand materials, it also helps customers to innovate products. Qanta group has the following major brands: MSK chemical special silicone chemical, Siparts semi-finished silicon adhesive, comall life products, KIREIREZA silicone leather, Qantek thermal conductive materials.

KIREI REZA
綺麗綾®矽膠皮革



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特色介紹 Feature Introduction

KIREI REZA Environment friendly Silicone Leather

有机硅皮革 Silicone Leather

有机硅皮革是将有机硅材料涂覆于不同的基布上，表面有各种颜色、纹路、手感的一种皮革，表层涂有100%有机硅材料，底层为各类基布。

KIREI REZA 绮丽綾® 硅胶皮革材料使用高分子有机硅材料，是一种环保材料，无味无毒，有优良的耐候性、电气绝缘性、耐磨性、抗氧化及耐水解及抗老化性、耐高温抗UV性、强大的相容性和化学热固化稳定性，对人体有生理惰性、生物相容性，可抗过敏且无毒。

Organic silicon leather is a kind of leather which is coated with organic silicone material on different base cloth with various colors, lines and handle on the surface. The surface layer is coated with 100% organic silicone material, and the bottom layer is made of various base cloth.

KIREI REZA 绮丽綾® 硅胶皮革使用环保高性能高分子弹性体，具耐高温-50°C ~ +250°C特性，可以高温水洗高温不会焦化。KIREI REZA 绮丽綾® 优越的耐温性能代替PVC和PU制品在高温环境下长期使用。

因PU会有水解剥落、起泡、变黏无法避免的问题，而KIREI REZA 绮丽綾® 硅胶皮革优异的耐水解性，可以比PU皮革应用到更多领域，如高端医疗器件、食品厨具用品、汽车内饰、穿戴式材料等。

KIREI REZA silicone leather has the best surface feel, all kinds of special texture, excellent permanence, smooth feel, no sticky feeling, completely subverting the traditional silicone performance effect, surface feel effect, non spray molding, solvent-free use, precision coating processing molding, can maintain permanent smoothness and wear resistance.



KIREI REZA 绮丽綾® 硅胶皮革可取代PVC有毒性及无法回收环保问题，可取代PU合成皮耐候性不佳及经时变化水解碎裂掉屑问题，可取代真皮屠宰动物及后处理皮革溶剂处理及环保检验重金属问题。

KIREI REZA 绮丽綾® 硅胶皮革具有最佳的表面手感，皮革的各式特殊纹理，具有永久性极佳滑嫩手感、无黏涩感，完全颠覆传统SILICONE表现效果，表面手感效果非喷涂成型无溶剂使用，精密涂布加工成型可保持永久滑度及耐磨性。



加工制程介绍 Introduction of Manufacturing Process

KIREI REZA 绮丽綾® 硅胶皮革可复合各种材料加工

1. 有色特殊滑感的有机硅材料涂布在精密离型材料上，转贴复合在各式被覆布面素材上。
2. 被覆物基材可改变为PET、TPU、PI、PCFILM材料，可以IML模式改变不同塑型，可与各式工程塑料在模具内高温复合射出压模成型。
3. 与TPU热熔胶膜辊压复合成卷，经衝切后与塑料热融接著成型。
4. 与3M双面胶带辊压复合成卷，经衝切后贴附不同材料，也可以成为增加复合材料的應用。
5. 可在各式布面或基材上经过导电银浆或溅镀制程的奈米处理，可应用穿戴式材料的最佳选择。

KIREI REZA silicone leather can be processed with various materials

1. The colored silicone material with special sliding feeling is coated on the precision release material, and then pasted and compounded on all kinds of coating materials.
2. The coating substrate can be changed into pet, TPU, PI, PC film materials, and can be combined with various engineering plastics in the mold for injection molding at high temperature.
3. Roll with TPU hot melt adhesive film to form a roll. After punching and cutting, the roll is formed by hot melt with plastic.
4. Roll it with 3M double-sided tape to form a roll, and attach different materials after punching; it can also be used to increase the application of composite materials.
5. It can be applied to all kinds of cloth or substrate through conductive silver paste or nano treatment of sputtering process, which is the best choice for wearable materials.

KIREI REZA 绮丽綾® 硅胶皮革生产流程

将主胶备好，先加入适当比例色膏搅拌均匀调色，再依次加入助剂，搅拌均匀，抽真空脱泡备用。把烘烤箱的温度设置好，并进行预设温度的升温。然后把确定好要做的纹路，设置好宽度、底材厚度、硅胶厚度等参数后开机。

将调好的硅胶通过上料口用刮刀均匀涂布，控制好涂胶厚度后进入烘箱烘烤，皮革从烘箱出来后进行收卷，完成生产。烘烤出来的矽胶皮革彻底固化成型，硅胶面与底布紧密贴合。电银浆或溅镀制程的奈米处理，可应用穿戴式材料的最佳选择。



產品規格 Product Specifications

KIREI REZA Environment friendly Silicone Leather

KIREI REZA 綺麗綾[®] 硅膠皮革產品規格 Product specifications
寬幅Width 680mm-1370mm，長度Length 15-1500碼Code，
厚度Thickness 0.3-1.4mm。

1.打樣產品 Proofing products

寬幅680mm*碼數，最少量為15-30碼，市場常用紋路生產。

2.量產產品 Mass produced products

寬幅1370mm*碼數，最少量為1500碼，一種皮紋限三種顏色生產。

3.所有產品按碼計算長度，1碼=0.9144米

The length of all products is calculated by code

4.標準品總厚度=塗膠厚度+布面厚度

Total thickness of standard product = gluing thickness + cloth thickness

0.4mm=塗膠厚度0.25mm+-0.02mm布面厚度0.2mm +0.05 mm

0.6mm=塗膠厚度0.25mm+-0.02mm布面厚度0.4mm +0.05 mm

0.8mm=塗膠厚度0.25mm+-0.02mm布面厚度0.6mm +0.05 mm

1.0mm=塗膠厚度0.25mm+-0.02mm布面厚度0.8mm +0.05 mm

5.底材 Base material

白色超纖，無紡布，棉布，萊卡，針織布，灰色超纖，麂皮絨，四面彈，雙面彈
鳳眼布，PK布，絨布，PET/PC/TPU/PI FILM，TPU熱熔膠膜，3M雙面膠帶等。

White super fiber, non-woven fabric, cotton cloth, Lycra, knitted fabric, gray super fiber, suede, four side elastic, phoenix eye cloth, PK cloth, flannel, PET / PC / TPU / PI film, TPU hot melt adhesive film, 3M double-sided adhesive tape, etc.

6.紋路 Dermatoglyph

大荔枝紋，小荔枝紋，平紋，碳纖紋，鱷魚紋，滿天星，小羊皮紋等。

Large litchi pattern, small litchi pattern, plain pattern, carbon fiber pattern, crocodile pattern, star all over the sky pattern, small sheepskin pattern, etc.

7.手感Feel

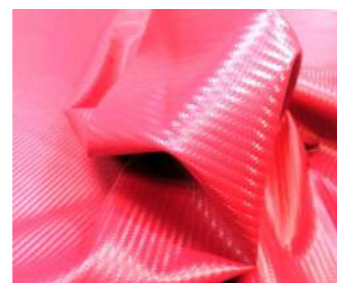
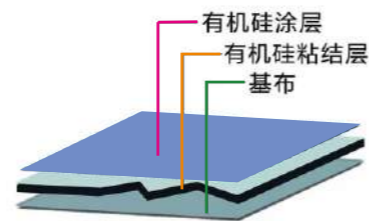
一般，普通手感，耐磨，亮面滑感。

General, ordinary feel, wear resistant.

8.顏色Color

米綠色，金黃色，黃橙色，珍珠橙，寶石紅，丁香紅，藍綠色，天藍色等等，
顏色按勞爾標準號定義。

Beige, golden yellow, yellow orange, pearl orange, ruby red, Tan, turquoise, sky blue and so on. The color is defined according to Raul standard number.



航海、汽車 Navigation and Automobile

航海

KIREI REZA 綺麗綾[®] 硅膠皮革可應用在航海上，面料超耐UV紫外線和海水，可供航海多年使用。經得起嚴酷的海洋、湖泊和河流元素，體現在耐鹽霧、防汙性、抗冷裂性、耐水解等性能上！

It can be used in navigation. The fabric is super resistant to UV and sea water. It can be used for many years in navigation. It can stand the harsh sea, lake and river elements, which is reflected in salt fog resistance, antifouling, cold cracking resistance, hydrolysis resistance and other properties!



汽車

KIREI REZA 綺麗綾[®] 硅膠皮革已經進入汽車市場，從儀錶盤，座椅，汽車門把扶手，汽車內飾，很多方面都可以用有機硅皮革。因為有機硅皮革材料與生俱來的耐水解，低VOC排放，防汙，抗過敏，環保，無氣味，阻燃，耐高溫，高耐磨性能，全面滿足汽車行業對客戶的高要求。

It has entered the automotive market, from the dashboard, seats, car door handles, armrest, car interior, many aspects can use silicone leather. Because silicone leather material is born with hydrolysis resistance, low VOC emission, antifouling, anti allergy, environmental protection, odorless, flame retardant, high temperature resistance, high wear resistance, fully meet the high requirements of the automotive industry for customers.



辦公傢俱、家私 Office furniture

KIREI REZA Environment friendly Silicone Leather

辦公傢俱



KIREI REZA 綺麗綾[®] 硅膠皮革廣泛應用於辦公體系內的，沙發，椅子，軟包上。應用在沙發椅上，大受國際市場好評，耐污、耐磨、耐水解，環保無毒、硅膠皮面的柔軟性30~40°A、取代PU材料未來市場需求將大幅提速入市！

It is widely used in office system, sofa, chair, soft bag. It is widely praised in the International market for its resistance to abrasion, hydrolysis, environmental protection and non-toxic. The softness of silicone leather is 30 ~ 40 °A. It can replace PU material. In the future, the market demand will be greatly accelerated!

KIREI REZA 綺麗綾[®] 硅膠皮革廣泛應用於商用市場領域包含醫療場所，酒店，辦公，學校，餐廳，公共場所座椅體系等定制承包制的市場。因政府制定環保法規，有機硅皮革與生俱來的防汙，耐水解，耐用，環保，無氣味，高阻燃性能，高耐磨性，可以滿足商用領域對皮革次材料的高要求！

It is widely used in commercial market, including medical places, hotels, offices, schools, restaurants, public places, seat system and other customized contract market. Due to the environmental protection regulations formulated by the government, silicone leather is born with antifouling, hydrolysis resistance, durability, environmental protection, odorless, high flame retardant performance, high wear resistance, which can meet the high requirements of leather secondary materials in the commercial field!

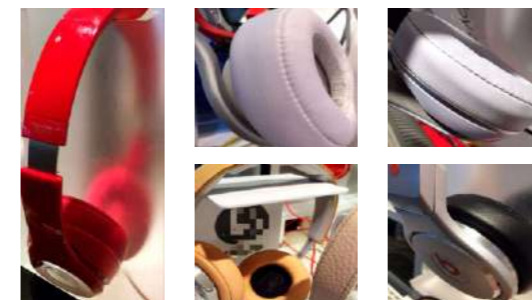


電子、醫療產品 Electronic and Medical Products

電子產品

KIREI REZA 綺麗綾[®] 硅膠皮革廣泛應用電子配件領域，手機殼，耳機，PAD 壳，手表帶，因為其與生俱來的耐水解，防污，抗過敏，阻燃，安全環保，無氣味，耐磨性能全面滿足電子行業對皮革的高要求。

It is widely used in the field of electronic accessories, such as mobile phone case, earphone, pad case, watch strap, because of its inherent hydrolysis resistance, antifouling, anti allergy, flame retardant, safety and environmental protection, odorless, wear resistance, fully meet the high requirements of the electronic industry for leather.



KIREI REZA 綺麗綾[®] 硅膠皮革-高級的耳機應用，皮革紋路，優質的手感和抗皮膚過敏的特性，長期使用不會水解掉屑，其產品的價值性超越PU合成蛋白皮的耐候性，及柔軟性並且長期不會經時變化，不會一段時間改變產品的外觀！

Advanced earphone application, leather texture, high-quality handle and anti skin allergy characteristics, long-term use will not hydrolyze and chip off, the value of the product exceeds the weather resistance and softness of PU synthetic protein skin, and will not change over time for a long time, will not change the appearance of the product for a period of time!

醫療

KIREI REZA 綺麗綾[®] 硅膠皮革廣泛應用在醫療床，醫療座椅系統，病房內飾等設施上，具有天然的防汙性、易清潔性、耐化學試劑、不致敏、天然的環保性、耐UV光照、防黴抗菌等優異的性能，符合ISO10993的生物相容性測試，是醫療設備上的專用面料輔料！

It is widely used in medical bed, medical seat system, ward interior and other facilities, with natural antifouling, easy cleaning, chemical reagent resistance, non sensitization, natural environmental protection, UV light resistance, mildew resistance and other excellent performance, in line with ISO10993 biocompatibility test, is a special fabric accessories on medical equipment!



體育運動、兒童、穿戴

Sports, Children and Clothing

KIREI REZA Environment friendly Silicone Leather

體育運動

KIREI REZA 綺麗綾® 矽膠皮革-高爾夫球手套，耐水解耐候性及柔軟舒適度高，原本使用手套使用PU皮革，而PU皮革長期使用會出現掉皮發黃現象，矽膠皮革長期使用不掉色、不掉皮、不水解 KIREI REZA 綺麗綾矽膠皮革手套是高爾夫球運動最佳裝備！

Golf gloves have hydrolysis resistance, weather resistance and high softness and comfort. PU leather was originally used for gloves, but PU leather will lose its skin and turn yellow after long-term use. Silicone leather will not fade, peel or hydrolyze after long-term use. Kirei Reza silk silicone leather gloves are the best equipment for golf!



KIREI REZA 綺麗綾® 矽膠皮革廣泛應用於體育行業，在泳帽，鞋材，手套，運動周邊產品。因為有機矽皮革材料與生俱來的耐水解，低防汗，抗過敏，環保，沒有氣味，阻燃，高耐磨性能全面滿足高端客戶的需要！

It is widely used in sports industry, in swimming cap, shoes, gloves, sports peripheral products. Because silicone leather material is born with hydrolysis resistance, low antifouling, anti allergy, environmental protection, no smell, flame retardant, high wear resistance, fully meet the needs of high-end customers!

兒童

KIREI REZA 綺麗綾® 矽膠皮革用於嬰童行業，矽膠是嬰兒奶嘴的材料，綺麗綾環保抗敏布面對兒童友好，具有耐水解，防汗，抗過敏，環保，無氣味，阻燃，耐磨性能，全面滿足兒童行業的客戶的敏感要求。

Silicone is the material of Baby Pacifier used in infant and children industry. The face of iridescent environmental protection and anti allergy cloth is friendly to children. It has hydrolysis resistance, antifouling, anti allergy, environmental protection, odorless, flame retardant and wear resistance. It can fully meet the sensitive requirements of customers in children industry.



穿戴

KIREI REZA 綺麗綾® 矽膠皮革在穿戴的應用，矽膠皮革表面的滑爽感及亮度可以改變傳統表帶的橡膠感，而且可具備皮紋的效果。綾麗綾高機能性布可滿足材料耐高溫及電器絕緣性，並且可複合加工成型。

In the application of wearing, the smoothness and brightness of silicone leather surface can change the rubber feeling of traditional watch strap, and can have the effect of preparing leather lines. The high-performance fabric of KIREI REZA can meet the requirements of high temperature resistance and electrical insulation of materials, and can be processed and molded by composite processing.

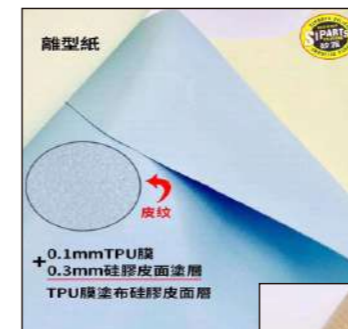


多層複合加工材料 Compound Material

複合材料

KIREI REZA 綺麗綾® 矽膠皮革複合TPU双面熱融膠膜，可以熱壓複合在ABS、PC、TPE、金屬等應用在高端平板鍵盤、外殼貼覆表現矽膠皮紋效果！

Composite TPU double-sided hot melt adhesive film, can be hot pressed composite in ABS, PC, TPE, metal and other applications, in high-end flat keyboard, shell overlay, performance of silicone rubber effect!



KIREI REZA 綺麗綾® 矽膠皮革3M300SLE双面膠帶結合，3C產品的沖切貼片，矽膠皮革可以完美的貼附在金屬、PC、ABS等外觀平面上大大的提升產品價值及保護性，非常革命性的突破！

The combination of 3m300sle double-sided tape, 3C products punching patch, silicone leather can be perfectly attached to the metal, PC, ABS and other external surfaces, greatly improving the product value and protection, a very revolutionary breakthrough!



KIREI REZA 綺麗綾® 矽膠皮革複合加工，塗布基材不只是布面，TPU/PET/矽膠膜/玻纤布等皆可透過複合技術加工，擴大後段制程應用熱壓及複合粘著的能力，所有技術來自康達科技集團！

Composite processing, coating substrate is not only cloth surface, TPU / PET / silicone film / fiberglass cloth can be processed through composite technology, expanding the ability of hot pressing and composite adhesion in the later process. All technologies come from Qanta Technology Group!



硅膠牆壁紙 Silicone wall paper

KIREI REZA Environment friendly Silicone Leather

測試方法 Test Method

產品特性 Product Features

- 100%有機硅塗層
100%Silicone coated surface
- 超強防霉 Excellent Anti- fungus
- 特強防汗 Stain Resistance
- 阻燃 Flame retardant
- 零甲醛 Formaldehyde free
- 防水 Super Waterproof
- 持久亮麗 Excellent Durable
- 零溶劑,零排放的生產制程
Solvent free and 0% voc process



有機硅超體牆材實幹時間較普通牆紙略長粘貼後應保護48小時。

HPECO Materials Walling will take longer time to dry up after sticking on wall, make sure the walling is protected within 48 hours afterwards

規格 Specification

- 塗層材料 Surface Composition: 100%Silicone
- 寬度 Finished Width: 670~1370mm±1.5%
- 平方克重 Weight: 360gm2
- 厚度 Thickness: 0.60±0.05mm
- 包裝規格 Put-up: 8.4m/roll.(米/卷)

有機硅超體牆材可以參照普通牆紙的安裝方法進行。
Installation for HPECO Materials Walling could be proceeded as normal wallpaper.

對基層的處理方式與牆紙安裝要求相同,並使用牆紙基膜。

- 1.保證牆體基層的含水量在8%~10%以下。
- 2.在膩子抹平前牆體基層應堅固,不能有泛碱、空鼓、酥松等。
- 3.在清除牆面的附著物後,在基層上面刮2至3遍膩子,用砂紙打磨平整後,用紗布擦乾淨表面
- 4.塗刷壁紙基膜,將壁紙基膜塗刷牆面一遍幹後即可施工。
- 5.在已刷牆面漆的牆面上施工,不能直接在牆面粘貼壁紙,應鏟去原有基層再刮膩子、塗刷壁紙基膜、幹後才可粘貼。

壁紙基膜表幹時間約2小時,實幹為24小時,每一遍施工後間隔3~5小時,即可進行第二遍施工。

The general drying time for BIP HPECO Materials Walling is approximately 2 hours, but the actual dried time is 24 hours. Taking 3-5 hours to construct each walling process

由於有機硅超體牆材的高環保等級,請使用環保型牆紙膠。

HPECO Materials Walling is an upgraded eco-wallpaper in Silicone, Salirone recommends using eco-glue for processing the walling

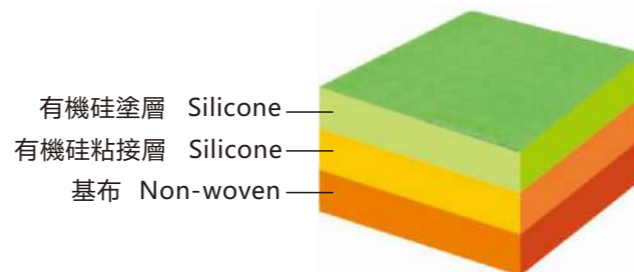
Cleaning清潔方法

有機硅超體牆材是一種非常容易保養的產品,汗漬很難滲透,始終只能存在於表面。

一般情況下,普通家用清潔用品均可以用於清潔材料表面。普通污漬,用濕布即可清理掉。

水性筆、簽字筆類,可以抹一點牙膏,用沾上水的牙刷刷洗,之後用濕布或紙巾清理表面。(用牙刷的目的在於能有效清理材料表面紋理的細微凹凸部位)。

圓珠筆、或者油性的污漬,可以用棉簽沾酒精清除,之後用濕布或者紙巾清理表面。



KIREI REZA 綺麗綾® 硅膠皮革測試認證

A.最佳的耐高低溫高機能應用材料

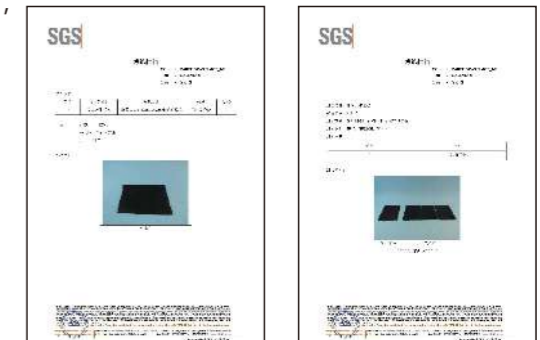
The best high and low temperature resistant high function application material

1. KIREI REZA 綺麗綾® 硅膠皮革有耐溫的特性,可耐-50°C~+250°C,為熱固型材料,超越所有工程塑膠,可後加工操作。

It has the characteristics of temperature resistance, and can withstand -50°C~+250°C. It is a thermosetting material, surpassing all engineering plastics, and can be post processed.

2. 可通過高溫高濕環境65°C, 95%RH測試,為目前最具功能性和手感的彈性體耐溫材料。

It can pass the test of 65°C and 95% RH in high temperature and humidity environment. It is the most functional and tactile elastomer temperature resistant material at present.



B.最安全環保的高機能應用材料已通過SGS檢測中心

The safest and environmentally friendly high-performance materials have passed the SGS testing center

1. 通過ROHS檢測,不含鉛、汞、鎘、六價鉻、多溴聯苯和多溴聯苯醚共6項物質的含量

Through RoHS detection, it does not contain lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls and polybrominated diphenyl ethers

2. 符合相關的安全性測試,通過了FDA食品級的檢測,確保產品安全、環保,不會有高溫揮發釋出低分子或有害物質的可能。
It meets the relevant safety test and passes the FDA food grade test to ensure the safety and environmental protection of the product, without the possibility of releasing low molecular weight or harmful substances from high temperature volatilization.

3. 此外,根據美國藥典(USP)第88章和ISO 10993-10選定的檢查測證明,在皮膚接觸應用中是無刺激性和非致敏性的。
In addition, according to USP chapter 88 and ISO 10993-10, kirei Reza silicone leather is non irritating and non allergenic in skin contact applications.

4. 其他皮革相關環境測試皆於通過,歡迎來電諮詢

All other leather related environmental tests have passed. Please contact us.

