

RTV-2 SILICONE RUBBER FOR MOLD MAKING

RTV-2 模具矽膠



深圳市明輝聯有機矽有限公司
Shenzhen MinghuiLink Silicone Co., Ltd.

RTV-2 SILICONE RUBBER / RTV-2 模具矽膠



Solutions for Your Silicone Mold Making Projects.

為您的模具製作與翻模專案提供解決方案。

Shenzhen · China

中國 · 深圳



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02 Development History / 發展歷程



2013: Silicone Industry Entry / 進入有機矽產業

Since 2013, we have focused on silicone, building experience in mold-making silicone production, application needs, and market understanding.

自 2013 年以來，我們專注於矽膠領域，持續累積模具矽膠生產、應用需求與市場理解方面的實務經驗。



2015: Manufacturing Base / 製造基地

Our Tangxia, Dongguan manufacturing base covers over 6,000 square meters for the R&D and production of silicone materials.

我們位於東莞塘廈的製造基地佔地超過 6,000 平方米，專注於矽膠材料的研發與生產。



2016: Silicone Mold Making / 矽膠模具製作

We expanded into silicone mold making at our Yingde, Qingyuan base, with over 2,000 square meters of production space.

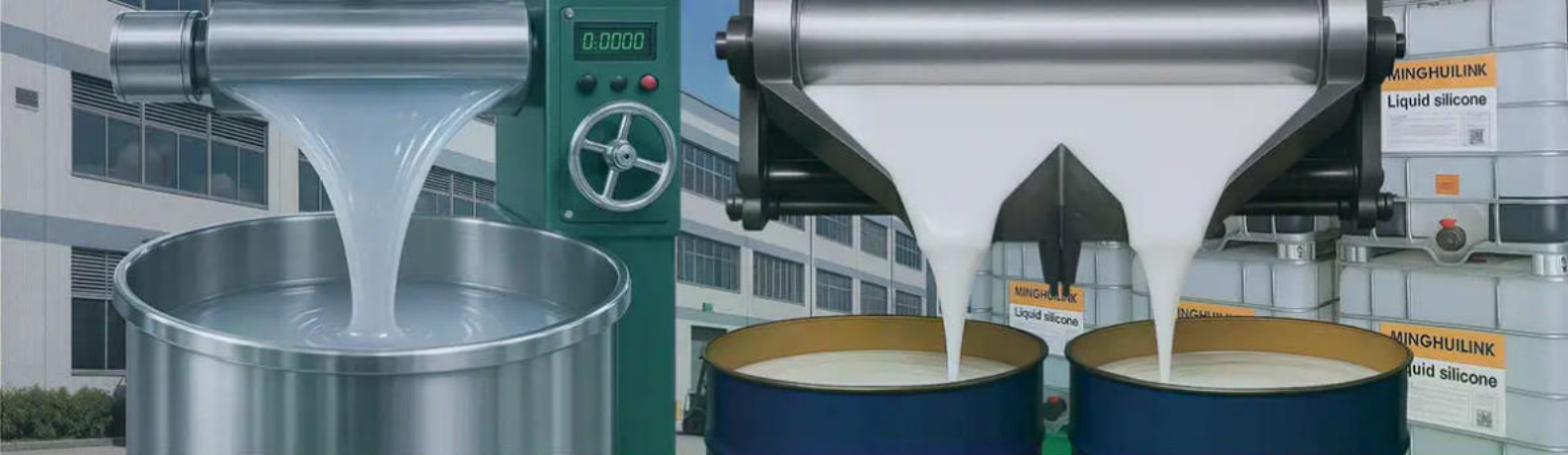
我們在清遠英德基地拓展矽膠模具製作業務，並擁有超過 2,000 平方米的生產空間。



2025: MinghuiLink Brand Established / 明輝聯 MinghuiLink 品牌成立

In March 2025, we established the MinghuiLink brand and registered its trademark to better serve global customers with a clearer international identity.

2025 年 3 月，我們成立明輝聯 MinghuiLink 品牌並完成商標註冊，以更清晰的國際品牌形象服務全球客戶。



03 Company Profile / 企業介紹

MinghuiLink is a China-based manufacturer and exporter focused on the R&D and production of mold-making silicone materials. Our product range includes condensation-cured (tin-catalyzed) silicone, addition-cured (platinum-catalyzed) silicone, and transparent liquid silicone. In addition, we provide custom silicone mold services.

明輝聯 MinghuiLink 是一家立足中國、面向全球的模具矽膠製造商與出口商，專注於模具矽膠材料的研發與生產。我們的產品涵蓋縮合型（錫催化）矽膠、加成型（鉑金催化）矽膠，以及透明液態矽膠。此外，我們也提供客製化矽膠模具服務。

12+

Years of Silicone Experience
矽膠行業經驗

RTV

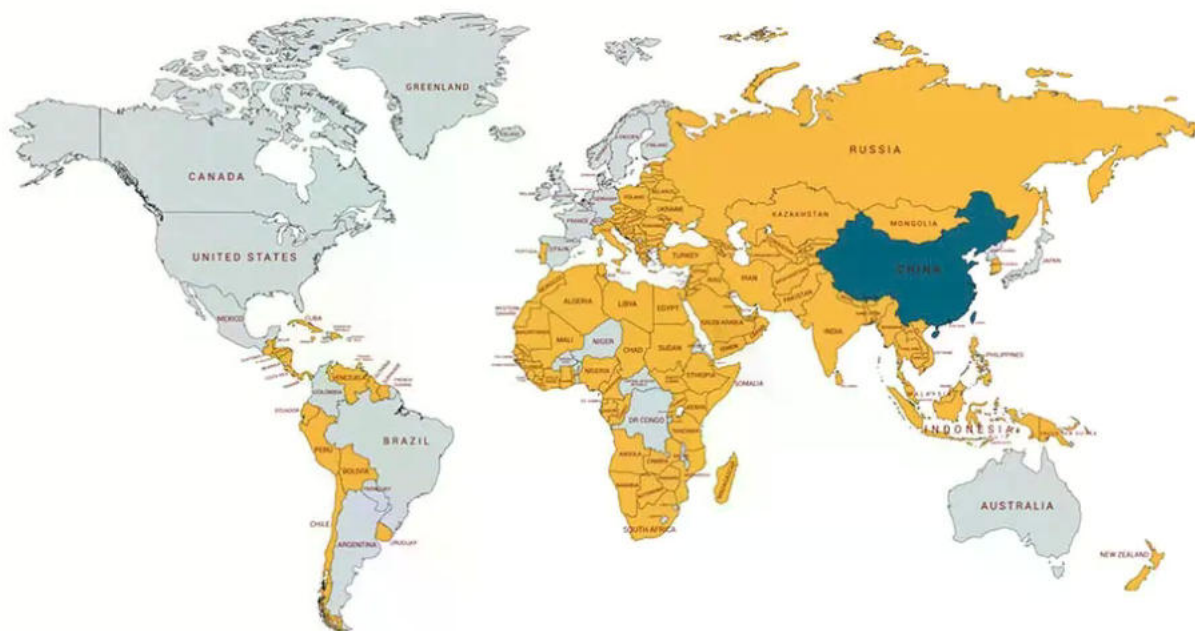
RTV-2 Silicone Focus
專注 RTV-2 矽膠

200T

Monthly Production Capacity
月產能

OEM

OEM and ODM Support
OEM / ODM 支援





04 Tin Cured Silicone / 縮合型翻模矽膠

Tin cured silicone rubber, also known as condensation cure silicone rubber, consists of two parts: Part A, typically a white or translucent viscous base, and Part B, a clear to slightly yellowish curing agent. When mixed at a 100:2 to 100:4 ratio by weight, the mixture cures at ambient temperature to form a flexible and highly elastic material.

縮合型翻模矽膠，又稱縮合型模具矽膠或錫催化矽膠，由 A、B 兩劑組成。A 劑通常為白色或半透明的黏稠基膠，B 劑為透明至微黃色的固化劑。當以重量比 100:2 至 100:4 混合後，材料會在室溫下固化，形成柔韌且高彈性的矽膠材料。



200°C Heat Resistance
耐熱可達 200°C



Excellent Performance
性能表現優異



Pour on / Brush on
可灌注 / 可刷塗



Excellent Mold Release
優異脫模性能



High Detail Fidelity
高細節還原度



Highly Reusable
可多次重複使用

Technical Specifications / 技術規格

Product Name	Hardness (Shore A)	Mix Ratio by Weight	Pot Life (Minute)	Cure Time (Hour)	Viscosity (Cps)		Tear Strength (N/mm)	Tensile Strength (Mpa)	Elongation at Break (%)
					Part A	Part B			
RTV-3105	5±2	100A:3±1B	35-45	8-10	15,000±2,000	200-300	8.0±0.5	1.5±0.5	540±50
RTV-3110	10±2	100A:3±1B	35-45	8-10	15,000±2,000	200-300	12.0±0.5	2.2±0.5	560±50
RTV-3115	15±2	100A:3±1B	35-45	8-10	16,000±2,000	200-300	16.0±0.5	2.4±0.5	520±50
RTV-3120	20±2	100A:3±1B	35-45	8-10	21,000±2,000	200-300	25.0±0.5	2.6±0.5	500±50
RTV-3125	25±2	100A:3±1B	35-45	8-10	20,000±2,000	200-300	25.0±0.5	3.0±0.5	480±50
RTV-3130	30±2	100A:3±1B	35-45	8-10	19,000±2,000	200-300	25.0±0.5	3.8±0.5	450±50
RTV-3135	35±2	100A:3±1B	35-45	10-12	18,000±2,000	200-300	23.0±0.5	4.1±0.5	350±50
RTV-3140	38±2	100A:3±1B	35-45	10-12	18,000±2,000	200-300	21.0±0.5	4.1±0.5	310±50

Note: Pot life and cure time may vary depending on ambient temperature. Parameters can be adjusted or customized according to specific application requirements.

備註：操作時間與固化時間可能會因環境溫度而異。參數可依實際應用需求進行調整或客製化。

Typical Applications / 典型應用



Silicone Mold for Tires
輪胎矽膠模具



Mold for Gypsum Plaster
石膏翻模模具



Silicone Mold for Statues
雕像矽膠模具



Brush on Silicone Mold
刷塗式矽膠模具



Silicone Mold for GRC
GRC 矽膠模具



Mold for Decorative Brick
裝飾磚模具



06 Platinum Cured Silicone / 加成型翻模矽膠

Platinum cured silicone rubber, also known as addition cure silicone rubber, is a high purity, odorless RTV-2 liquid silicone system. Both Part A and Part B are translucent, viscous liquids before mixing. Mixed at a 1 to 1 ratio by weight, the system cures at room temperature or can be heat accelerated into a flexible, highly elastic elastomer.

加成型翻模矽膠，又稱加成型模具矽膠或鉑金矽膠，是一種高純度、無異味的 RTV-2 液態矽膠系統。A 劑與 B 劑在混合前均為半透明黏稠液體。當以重量比 1:1 混合後，材料可在室溫下固化，也可透過加熱加速固化，形成柔韌且高彈性的矽膠彈性體。



250°C Heat Resistance
耐熱可達 250°C



Food Safe
食品接觸安全



Accurate Detail Reproduction
精準細節還原



Low Viscosity
低黏度



Excellent Flexibility
優異柔韌性



Low Shrinkage (0.1%)
低收縮率 (0.1%)

Technical Specifications / 技術規格

Product Name	Hardness (Shore A)	Mix Ratio by Weight	Pot Life (Minute)	Cure Time (Hour)	Viscosity (Cps)		Tear Strength (N/mm)	Tensile Strength (Mpa)	Elongation at Break (%)
					Part A	Part B			
RTV-4020	20±2 (C)	1A:1B	30-40	4-5	2,200±200	1,800±200	4±0.5	1.0±0.5	560±50
RTV-4030	30±2 (C)	1A:1B	30-40	4-5	2,500±200	2,000±200	6±0.5	1.2±0.5	560±50
RTV-4100	0±2 (C)	1A:1B	30-40	4-5	2,800±200	2,100±200	9±0.5	1.5±0.5	550±50
RTV-4105	5±1	1A:1B	30-40	4-5	4,000±200	2,800±200	11±0.5	2.0±0.5	540±50
RTV-4110	10±1	1A:1B	30-40	4-5	4,000±200	2,800±200	25±0.5	4.0±0.5	510±50
RTV-4115	15±1	1A:1B	30-40	4-5	4,000±200	2,800±200	26±0.5	5.0±0.5	450±50
RTV-4120	20±1	1A:1B	30-40	4-5	4,700±200	4,200±200	27±0.5	5.0±0.5	550±50
RTV-4125	25±1	1A:1B	30-40	4-5	4,700±200	4,400±200	26±0.5	4.0±0.5	460±50
RTV-4130	30±1	1A:1B	30-40	4-5	4,400±200	3,900±200	28±0.5	5.0±0.5	400±50
RTV-4140	40±1	1A:1B	30-40	5-6	4,800±200	4,300±200	32±0.5	5.3±0.5	220±50

Note: Parameters can be adjusted or customized according to specific application requirements.

備註：參數可依實際應用需求進行調整或客製化。

Typical Applications / 典型應用



Silicone Soap Molds
手工皂矽膠模具



Silicone Candle Molds
蠟燭矽膠模具



Silicone Molds for Food
食品接觸用矽膠模具



Epoxy Resin Casting
環氧樹脂灌注



Suture Practice Silicone Pad
矽膠縫合練習墊



Realistic Skin Effects
仿真皮膚效果



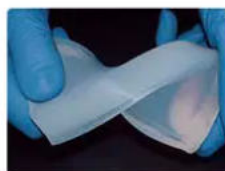
08 Transparent Silicone / 高透明翻模矽膠

Transparent silicone rubber is an addition-cure (platinum-catalyzed), RTV-2 silicone rubber delivered as two separate liquid components, Part A and Part B. This system is designed for either a 1:1 or 10:1 mix ratio by weight. When mixed, it cures at room temperature or with heat to form a flexible and transparent elastomer.

高透明翻模矽膠，又稱透明液態矽膠，是一種加成型（鉑金催化）的 RTV-2 矽膠材料，以 A 劑與 B 劑兩種液態組分供應。此系統可依重量比 1:1 或 10:1 混合。混合後可在室溫下固化，也可透過加熱加速固化，形成柔韌且透明的矽膠彈性體。



High Transparency
高透明度



Excellent Tear Strength
優異撕裂強度



High Dimensional Stability
高尺寸穩定性



250°C Heat Resistance
耐熱可達 250°C



Fine Detail Reproduction
精細細節還原



Deep Section Curability
厚層固化能力

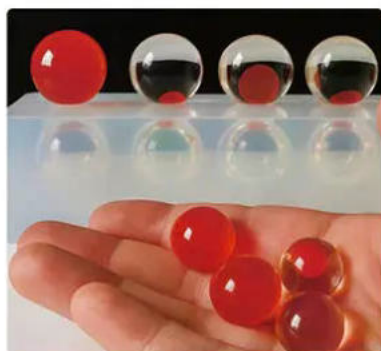
Technical Specifications / 技術規格

Product Name	Hardness (Shore A)	Mix Ratio by Weight	Pot Life (Minute)	Cure Time (Hour)	Viscosity (Cps)		Tear Strength (N/mm)	Tensile Strength (Mpa)	Elongation at Break (%)
					Part A	Part B			
RTV-5110	10±2	1A:1B	40-50	5-7	35,000±5,000	30,000±5,000	8.0±0.5	2.0±0.5	450±50
RTV-5120	20±2	1A:1B	40-50	6-8	40,000±5,000	35,000±5,000	10.0±0.5	2.5±0.5	400±50
RTV-5130	30±2	1A:1B	40-50	8-10	55,000±5,000	50,000±5,000	13.0±0.5	3.0±0.5	350±50
RTV-5140	40±2	1A:1B	40-50	8-10	60,000±5,000	55,000±5,000	14.0±0.5	3.5±0.5	300±50
RTV-5210	10±2	10A:1B	40-50	5-7	40,000±5,000	200-250	8.0±0.5	2.0±0.5	450±50
RTV-5220	20±2	10A:1B	40-50	6-8	50,000±5,000	200-250	10.0±0.5	2.5±0.5	400±50
RTV-5230	30±2	10A:1B	40-50	8-10	75,000±5,000	200-250	13.0±0.5	3.0±0.5	350±50
RTV-5240	40±2	10A:1B	40-50	8-10	80,000±5,000	200-250	14.0±0.5	3.5±0.5	300±50

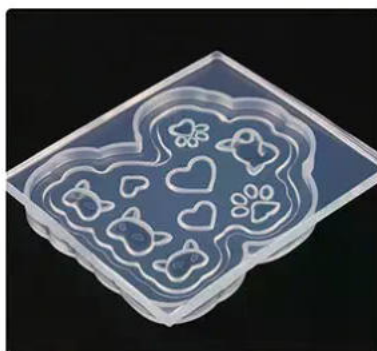
Note: Parameters can be adjusted or customized according to specific application requirements.

備註：參數可依實際應用需求進行調整或客製化。

Typical Applications / 典型應用



Molds for Epoxy Resin
環氧樹脂模具



3D Nail Art Molds
3D 美甲模具



Ring Silicone Molds
戒指矽膠模具



Lost Wax Casting Molds
失蠟鑄造模具



Jewelry Prototype Molds
珠寶原型模具



Vacuum Casting
真空注塑



10 Vacuum Casting Silicone / 手板複模矽膠

Vacuum casting silicone refers to a range of RTV-2 silicones, including both tin-cured and platinum-cured systems, engineered for the rapid prototyping industry. It delivers high tear strength, strong resistance to casting resins, high detail fidelity, excellent dimensional stability, and superior mold release, making it well-suited for complex molds and repeated demolding.

手板複模矽膠是指一系列專為快速原型產業設計的 RTV-2 矽膠材料，包含縮合型（錫固化）與加成型（鉑金固化）兩大系統。它具備高撕裂強度、優異耐樹脂性能、高細節還原度、良好的尺寸穩定性與優異脫模性能，適合複雜模具製作與多次重複脫模應用。



Excellent Resin Resistance
優異耐樹脂性能



High Shore Hardness
高 Shore 硬度



Multiple Catalyst Systems Available
多種催化系統可選



Excellent Mold Release
優異脫模性能



High Dimensional Stability
高尺寸穩定性



Excellent Mechanical Properties
優異機械性能

Technical Specifications / 技術規格

Product Name	Color	Hardness (Shore A)	Mix Ratio by Weight	Pot Life (Minute)	Cure Time (Hour)	Part A Viscosity (Cps)	Tear Strength (N/mm)	Tensile Strength (Mpa)	Elongation at Break (%)
RTV-3135	White	35±2	100A:3±1B	35-45	10-12	18,000±2,000	23.0±0.5	4.1±0.5	350±50
RTV-3235	Translucent	35±2	100A:3±1B	35-45	10-12	18,000±2,000	24.0±0.5	4.2±0.5	360±50
RTV-3140	White	38±2	100A:3±1B	35-45	10-12	18,000±2,000	21.0±0.5	4.1±0.5	310±50
RTV-3240	Translucent	37±2	100A:3±1B	35-45	10-12	18,000±2,000	22.0±0.5	4.2±0.5	330±50
RTV-4140	Translucent	40±1	1A:1B	30-40	5-6	4,800±200	32±0.5	5.3±0.5	220±50
RTV-4145	Translucent	45±2	1A:1B	30-40	5-6	8,500±200	30±0.5	4.7±0.5	230±50
RTV-4150	Translucent	50±2	1A:1B	30-40	5-6	7,000±200	28±0.5	4.6±0.5	350±50
RTV-5140	Transparent	40±2	1A:1B	40-50	8-10	60,000±5,000	14±0.5	3.5±0.5	300±50
RTV-5240	Transparent	40±2	10A:1B	40-50	8-10	80,000±5,000	14±0.5	3.5±0.5	300±50

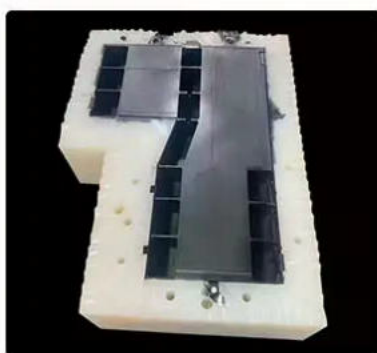
Note: Parameters can be adjusted or customized according to specific application requirements.

備註：參數可依實際應用需求進行調整或客製化。

Typical Applications / 典型應用



Thin Wall Enclosure Casting
薄壁外殼灌注



Prototype Enclosure Casting
原型外殼灌注



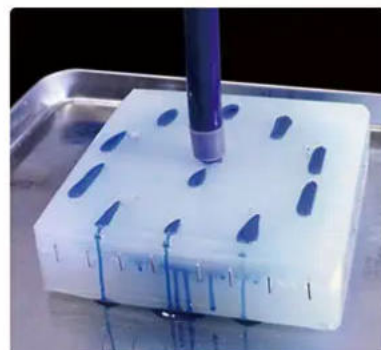
Automotive Prototype Casting
汽車原型件灌注



Rapid Prototyping
快速原型製作



Vacuum Casting
真空複模



Reaction Injection Molding
反應注射成型



12 Custom Silicone Molds / 客製化矽膠模具

We provide one-stop custom silicone mold solutions from 3D design and master pattern making to mold production, inspection, and global delivery. Based on your 3D file, drawing, sketch, sample, or product idea, we create high-fidelity molds with flexible customization for structure, cavity layout, silicone material, hardness, color, and application requirements. Prototype orders can start from 1 piece.

我們提供一站式客製化矽膠模具解決方案，從 3D 設計、母模製作，到模具生產、檢驗與全球交付。根據您的 3D 檔案、圖面、草圖、樣品或產品概念，我們可製作高保真度模具，並依結構、模穴配置、矽膠材料、硬度、顏色與應用需求進行彈性客製。打樣訂單可從 1 件起。



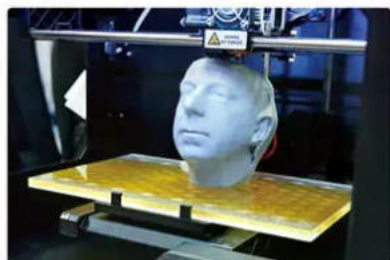
1. Consultation & Definition
1. 諮詢與需求定義



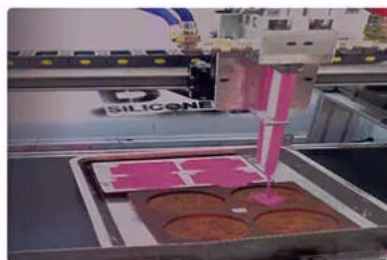
2. Design & Quotation
2. 設計與報價



3. Modeling & Approval
3. 3D 建模與確認



4. Prototyping & Refinement
4. 打樣與調整



5. Manufacturing & Finishing
5. 製作與後處理



6. Inspection & Delivery
6. 品質檢驗與交付

Mold Showcase / 模具案例展示



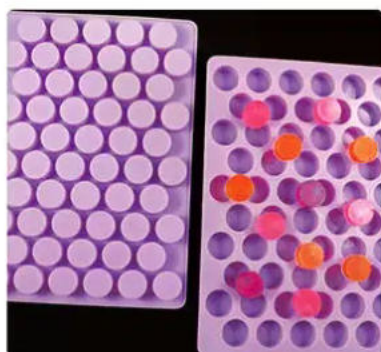
Sculpture Mold
雕塑模具



Cultural Stone Mold
文化石模具



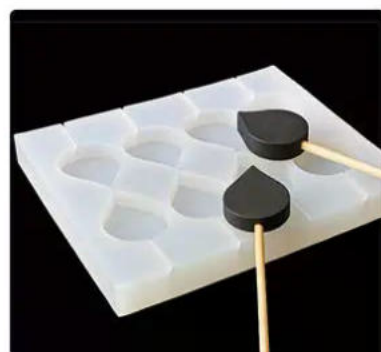
Decorative Column Mold
裝飾柱模具



Thin-Wall Candy Mold
薄壁糖果模具



Food Grade Mold
食品接觸用模具



Lollipop Mold
棒棒糖模具



Candle Mold
蠟燭模具



Soap Mold
手工皂模具



Transparent Resin Mold
透明樹脂模具



Medical Training Model
醫療訓練模型



Suture Training Module
縫合練習模組



Silicone Prosthetic Ear
矽膠義耳



14 Distributor Recruitment / 經銷商招募

01

Direct Manufacturer / 源頭製造商

As a factory-based manufacturer, we support more reliable production planning and supply for long-term cooperation and repeat orders.

作為工廠型製造商，我們能為長期合作與重複訂單提供更可靠的生產規劃與穩定供應。

02

Exclusive Regional Partnership / 獨家區域合作夥伴關係

We commit to working with only one strategic partner in each country or region. Once cooperation is confirmed, your contact information can also be displayed on the corresponding language version of our website.

我們承諾在每一個國家或地區只與一位戰略合作夥伴合作。一旦確認合作，您的聯絡資訊也可展示於我們網站對應語言版本的頁面中。

03

Website Inquiry Support / 網站詢盤支援

We continuously improve our multilingual websites and organic search visibility, helping more overseas buyers find products and solutions through search. Relevant inquiries from your market will be directly assigned to you.

我們持續優化多語系網站與自然搜尋曝光，協助更多海外買家透過搜尋找到產品與解決方案。來自您市場的相關詢盤，將直接分派給您。

04

Flexible OEM / ODM Support / 彈性的 OEM / ODM 支援

With source manufacturing advantages, we offer flexible OEM / ODM support, including retail-size packaging customization and customized outer packaging labels, helping you build your local sales system faster.

憑藉源頭製造優勢，我們提供彈性的 OEM / ODM 支援，包括零售規格包裝客製化與外包裝標籤客製化，協助您更快建立在地銷售體系。

05

Marketing Materials Support / 行銷素材支援

We can provide product images, videos, data sheets, and local-language sales materials to help you promote silicone products more effectively in your market.

我們可提供產品圖片、影片、技術資料表，以及當地語言版本的銷售素材，協助您更有效地在本地市場推廣矽膠產品。

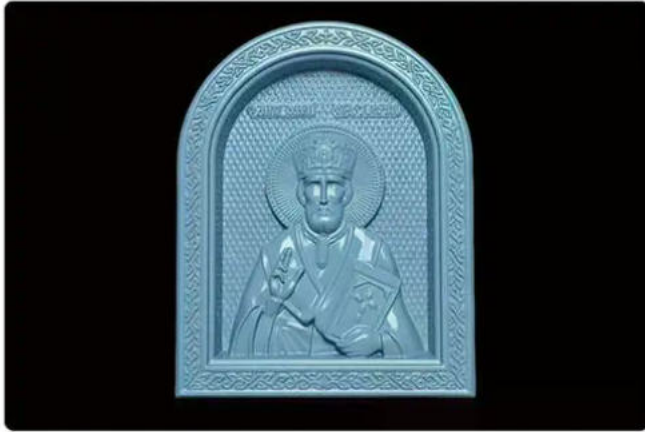
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Silicone Experience Since 2013 / 自 2013 年深耕矽膠產業

Since 2013, we have specialized in silicone materials and mold-making applications, providing practical technical support based on real-world use conditions.

自 2013 年以來，我們專注於矽膠材料與模具製作應用，並根據實際使用條件提供實用的技術支援。

16 Mold Making Guide / 模具製作指南



1. Prepare the Master Pattern

1. 準備母模



2. Build the Mold Box

2. 製作模框



3. Mix the Silicone

3. 混合矽膠



4. Vacuum Degas the Silicone

4. 真空脫泡



5. Pour or Brush on the Silicone

5. 灌注或刷塗矽膠



6. Cure and Demold

6. 固化與脫模

Business License / 營業執照Trademark Certificate / 商標註冊證

FDA Test Report / FDA 檢測報告

MSDS / MSDS 安全資料表



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