

**- 產品特性 -**

具電氣特性和防水性、耐候性，能黏附於大多數材料。固化反應收縮極小、韌性好。

**- Product Features -**

Possessing electrical properties and waterproofing, weather resistance, adheres to most materials. Minimal shrinkage during curing, with good toughness.

**- 應用範圍 Application Area -**

特別適用於灌注封裝在各種需要熱傳導性能的元件中。

Particularly suitable for potting and encapsulating various components requiring thermal conductivity.

**- 儲存與使用方式 Storage and Instructions for Use -**

儲存於乾燥陰涼處，避免水氣和光照，開封使用後請盡可能密封好容器。

應避免接觸有機金屬化合物、胺基甲酸酯類、胺類、聚礦酸、聚硫化物及含硫化物，以免影響硬化結果。

Store in a dry, cool place, away from moisture and light. After opening, seal the container tightly. Avoid contact with organic metal compounds, amine methacrylate, amines, polysulfides, and sulfur-containing compounds to prevent affecting curing results.

**- 固化前的物性 Properties before curing -**

料號	P/N	MX-16A	MX-16B	Unit	Assumed Conditions
顏色、外觀	Color/Appearance	黑灰色液體 Black or black-gray liquid	白色液體 White liquid	-----	Visual
比重	Specific Gravity	1.65	1.65	-----	-
黏度	Viscosity	3,500	3,500	cps	25°C
保存期限	Shelf life	3 個月 3 months	3 個月 3 months	-----	-----

**- 固化後的物性 Properties after curing -**

料號	P/N	MX-16	Unit	Assumed Conditions
混合比	Mixing Ratio	MX-16A: MX-16B = 1:1	-----	-----
外觀	Appearance	黑灰色矽膠彈性體 Black-gray silicone elastomer	-----	Visual
操作時間	Working Time	60	25°C/min	100g
硬度	Hardness	65	Shore A	ASTM D 2240
吸水率	Water Absorption Rate	0.8~1	%	(2h 100°C) ASTM D 570
熱傳導率	Thermal Conductivity	0.8	W/mK	ASTM C 518
熱擴散係數	Thermal Diffusivity	2.0 x10 <sup>-4</sup>	cm/cm/ °C	(0-100°C) ASTM E 1461
常溫硬化條件	Room Temperature Curing Conditions	1	Day	25°C(室溫), 100g
加溫硬化條件	Heating Curing Conditions	1	Hour	80°C, 100g
介電常數	Dielectric Constant	5.0~5.5	-----	25°C, ASTM D 150

保存 25°C 以下、乾燥通風、避免陽光直射。每 1~3 週需搖晃倒置，以免沉澱導致無法攪拌。

Store unopened in a cool, dry place below 25°C, away from direct sunlight. Shake and invert every 1 to 3 weeks to prevent sedimentation and ensure proper mixing.

**- 使用方式 Instructions for Use -**

混合 MX-16A 和 MX-16B，按 1:1 重量比攪拌。抽真空除氣泡後，封裝在元件內。等待硬化後使用。

Mix MX-16A and MX-16B in a 1:1 ratio by weight. Vacuum to remove bubbles, then seal inside the component. Allow to cure before use.

以上技術資料為檢驗的平均數據。請根據您的實際使用情況選擇適合的產品，最終決定應基於您的試用結果。

**23** The above technical data represents the average results obtained from inspections. Please choose products based on your actual usage conditions. The final decision should rely on your trial results.