



Summary

GM-500 has high compressibility. As a medium hardness silica gel foam cotton, it has excellent springback performance, good weather resistance and long-term working stability, so it is an ideal choice to support foam cotton in industry. Wide selection of thickness, easy to process.

Features

- Range of thickness from 0.8~20mm
- Tight tolerances and softness, and unique compression set, ideal for demanding sealing application.
- Excellent weather resistance
- Meets the most stringent UL-94 flame rating available, V-0 and HF-1.

Applications

- Supporting of floating floor
- Supporting of liquid cooling plate inside battery pack
- Cushion gaskets

Storage

Without Adhesive

- Temperature: 10°C~35°C
- Relative Humidity: 40%~70%

With Adhesive

- Temperature: 18°C~30°C
- Relative Humidity: 45%~55%

Shelf-life

Without Adhesive: 10 years

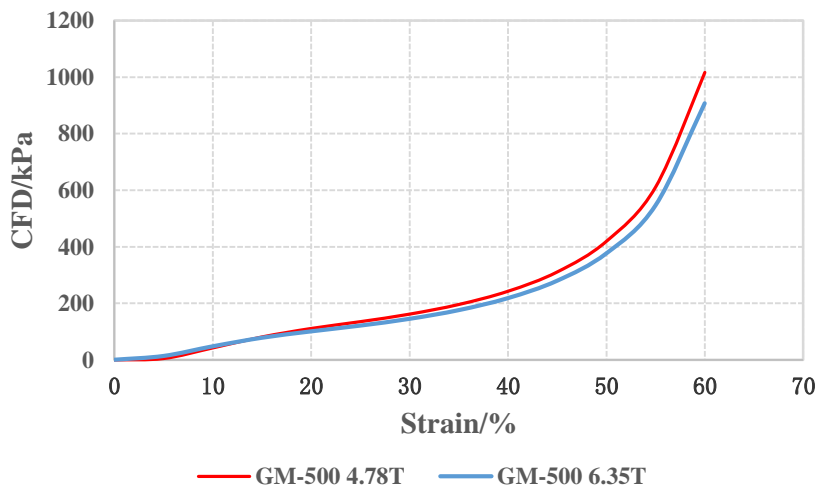
With Adhesive: According to the type of adhesive

Acrylate adhesive: 18 months

Silicon adhesive: 6 months

Physical Properties	Test Method	Typical Value
Product		GM-500
Density, kg/m ³	ASTM D 1056	500
Thickness, mm		0.8~20
Tolerance, %		± 10
Compression Set, % max, 50%, 100°C	ASTM D 1056	<5%
Compression Force Deflection, kPa	ASTM D 1056	110
Tensile strength, kPa (min)	ASTM D 412	400
Tensile Strength, % (min)	ASTM D 412	70
Flame Resistance	UL94	V-0, HF-1
-55°C Low Temperature Flex Test	Internal	Pass
Color	visual	Gray, black
Recommended Temperature		-55°C~200°C

GM-500 Compression force deflection curve



The true and reliable data information contained in this information is intended to assist you in the design of the use of the Guangmai silica gel foam material, based on the scope of application of the product determined by our current cognition and experience, unintentionally and does not constitute any warranty, express or implied, including any warranties of merchantability to the commodity, fitness for special purposes, and does not guarantee that the user can achieve the results shown in this data for a particular purpose. For applications outside the scope, or for use under different conditions and environments, the resulting results will not be liable. Therefore, we strongly recommend that the user determine the suitability of the silica gel material before use.

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