

Summary

GM-400 is a specially silicone foam product, which is specially developed according to the needs of industrial market environment sealing. As a medium soft and hardness product, it has excellent springback performance, good weather resistance, waterproof, airtightness and long-term working stability. It is an ideal choice for waterproof seal under harsh environmental conditions.

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

- Environment Sealing, to protect equipment from dust in the environment of earth, wind and rain erosion
- Sealing of lighting equipment and electrical cabinet
- Others sealing applications

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

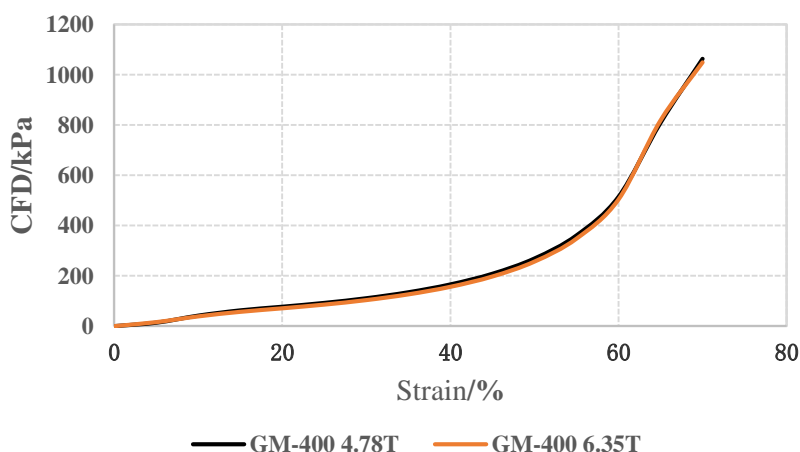
With Adhesive: According to the type of adhesive

Acrylate adhesive: 18 months

Silicon adhesive: 6 months

Physical Properties	Test Method	Typical Value
Product		GM-400
Density, kg/m ³	ASTM D 1056	400
Thickness, mm		0.8~20
Tolerance, %		±10
Compression Force Deflection, kPa	ASTM D 1056	80
Tensile strength, kPa (min)	ASTM D 412	350
Tensile Strength, % (min)	ASTM D 412	80
Compression Set % max, 50%, 100°C	ASTM D 1056	<5
Flame Resistance	UL94	V-0, HF-1
-55°C Low Temperature Flex Test	ASTM D 1056	pass
Dielectric strength (kv/mm)	ASTM D 149	6.3
Volume Resistivity (Ohm. cm)	ASTM D 257	7.1×10 ¹⁵
Color	visual	Gray, black
Recommended Temperature		-55°C~200°C

GM400 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.

Address: 16B Building, International Finance IT Research Development Center, NO.5 Keji Ten Road, Songshan Lake High-Tech Industrial Development Zone, Dongguan City, China Tel: 0769-26621791

<http://www.guangmai.com>