



Micro-foamed Silicone Foam KB1020MF

The KB1020MF silicone micro-foam is a micro-foamed material that combines lightweight properties with high strength. Featuring adjustable cell expansion ratios, this product is widely used in industries requiring specialized compression stress performance.

KB1020MF silicone foam is eco-friendly, non-toxic, and odorless. It delivers fire resistance and flame retardancy with exceptional low smoke density and low smoke toxicity. The material exhibits excellent weather resistance (UV and ozone resistance), temperature stability across extreme conditions, and outstanding electrical insulation properties.

KB1020MF—Technical Data Sheet of Micro-foamed Silicone Foam:

Series: KB1020MF			
Item	Unit	Normal Value	Testing Standard
Color	——	Black/Grey	Visualization
Thickness	mm	0.5±5.0	Thickness Specification
Density	g/cm ³	0.6±1.2	ASTM D 1056
Tensile Strength	MPa	0.6±5.0	ASTM D 412
Elongation at Break	%	220	ASTM D 412
Hardness	Shore A	35-60	ASTM D 2240
25% Compression Set Stress	Kpa	≥0.3	ASTM D 1056
Volume Resistivity	Ω.cm	10 ¹³	ASTM D 149
Flame Retardancy	/	V0	UL-94
Note: The above indicators are for reference only. The specific indicators shall be subject to confirmation by actual samples or agreed indicators.			

KB	1	020	MF	2	Color	B	Black
Represents Kompa	Kompa product serial number	Derivative serial number	Slight Foam	thickness		G	Grey

The information contained in this document is intended to assist you in designing with KOMPA high-performance foam materials. It is not intended to and does not constitute any express or implied warranty, including any warranty of merchantability or fitness for a particular purpose, nor does it guarantee that users can achieve the results shown in this material selection guide for specific purposes. Users should be responsible for determining the suitability of KOMPA high-performance foam materials in each application.



Main Application Areas:

Buffering and shock absorption between square cells of power batteries in new energy vehicles; shock absorption, buffering and lamination in the power industry.

Product Specifications:

Rolls: The standard width is 500mm or 1000mm. Customization according to customer requirements is acceptable, and die-cutting can be carried out according to customer drawings.

Backing Adhesive Service: Without backing adhesive, single-sided or double-sided backing adhesive is available.

Storage and Transportation:

Store in the original packaging at room temperature, keep away from open flames.

Handle and transport it as general chemicals.



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