

## 1 简述Outline

该系列是一款中应力有机硅发泡硅胶材料，具有优异抗压缩永久变形性能。它具有优异的耐高低温（-60—200℃）、高阻燃（V-0）极低的烟雾浓度等特性。此外，该材料的耐老化和耐候性极佳，是各类高性能密封、减震、支撑、隔音、保护、绝缘和防火的理想材料。

This series is a medium stress silicone foam material with excellent resistance to Compression Set. It has excellent resistance to high and low temperatures (-60-200 °C), high flame retardancy (V-0), and extremely low smoke concentration. In addition, the material has excellent aging and weather resistance, making it an ideal material for various high-performance sealing, shock absorption, support, sound insulation, protection, insulation, and fire prevention.

应用：

- ◆ 环境密封，保护户外设备，防尘，防潮，气密或遮光，例如照明、暖通设备和电气控制柜
- ◆ 电子设备和车辆内部的隔振
- ◆ 缓冲衬垫和垫圈

Application:

- ◆ Environmental sealing, protecting outdoor equipment, dust-proof, moisture-proof, airtight or blackout, such as lighting, HVAC equipment, and electrical control cabinets
- ◆ Vibration isolation of electronic devices and vehicle interiors
- ◆ Buffer pads and washers

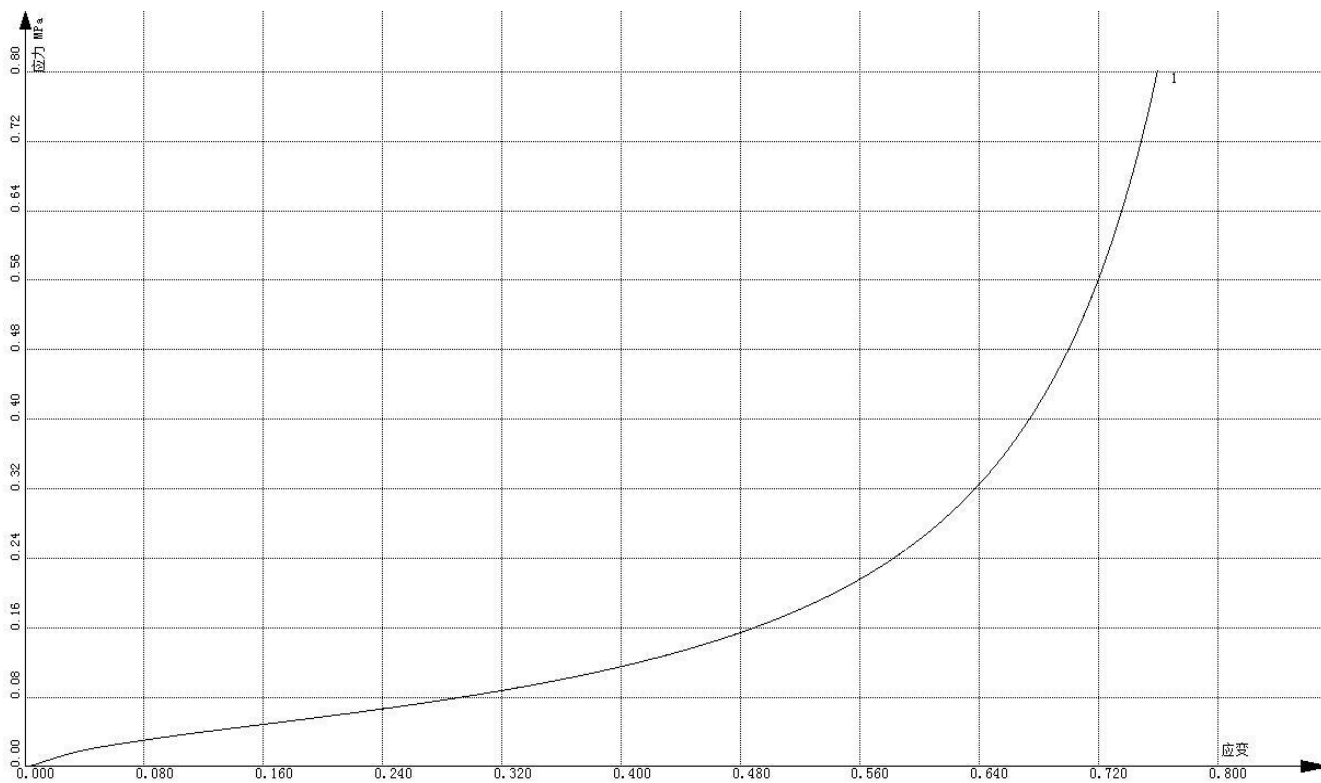
## 2 特性Properties

项目 Item	单位 Unit	测试方法 Test Method	典型值 Values	规范 Specification	
颜色 Color	/	/	黑、灰 Black、Gray	黑、灰 Black、Gray	
厚度 Thickness	mm	/	0.9/2/3/4/5/6/9.5	$0.8 \leq T \leq 1.0$	$1.0 < T \leq 15$
密度 Density	g/cm <sup>3</sup>	ASTM D1056	0.37	$0.4 \pm 0.04$	$0.37 \pm 0.04$
拉伸强度 Tensile Strength	Kpa	ASTM D412	400	$\geq 300$	
延伸率 Elongation Rate	%	ASTM D412	80	$\geq 60$	
压缩应力@25% Compression Strength(25% Deflection)	Kpa	ASTM D1056	75	$75 \pm 25$	
压缩永久变形（100℃） Compression Set(100℃)	%	ASTM D1056	4	$\leq 5$	
吸水率 Water Absorption Rate	%	ASTM D570	4.5	$< 5$	
低温(-55℃)弯折 Low Temperature Bending	/	ASTM D1056	OK	-	
介电强度 Dielectric Strength	kV/mm	ASTM D149	4	$\geq 3.0$	
导热系数 Thermal Conductivity Coefficient	W/(m·K)	ASTM C518	0.07	-	
阻燃等级 Flame Retardant Level	/	UL94	V0, HF-1	-	
环保测试(Rohs、reach、ELV) Environment Protection	/	-	合格 Qualified	合格 Qualified	

以上性能数据为参考值旨在提供协助您材料的设计使用，非保证值或标准值，无意且不构成任何明示或隐含担保，特定应用建议进行充分验证后使用。

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## 3



## 4

- \* 纸箱包装，常温保存，存放于阴凉干燥处  
Carton packaging, stored at room temperature, stored in a cool and dry place
- \* 禁止尖锐物品刮擦  
Sharp objects are prohibited from scratching

注: 本报告中如果英文和中文有差异或者冲突时, 优先以中文含义理解为准。

Note: In cause of discrepancies or conflicts between the English and Chinese Versions in the report, the Chinese version shall prevail.

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