

2.1 导热硅胶垫片 Thermal Conductive Silicone Sheet

产品描述 Description

导热硅胶垫片具有一定的柔韧性、优良的绝缘性、压缩性、表面天然的粘性，能够填充缝隙，完成发热部位与散热部位间的热传递，同时还起到绝缘、减震等作用，能够满足设备小型化及超薄化的设计要求，极具工艺性和使用性，且厚度适用范围广，是一种极佳的导热填充材料，被广泛应用于电子电器产品中。

Thermally conductive silicone sheet has flexibility, excellent insulation, compressibility and natural surface viscosity performances. It used to fill the gap and realize the heat transfer between the heating parts and cooling parts, and also has insulation and shock absorption effects, meanwhile, it can satisfy the design requirements for miniaturization and ultra-thin of equipments with excellent manufacturability and practicability, Available for widely thickness ranges and used in electrical and electronic products.

产品特点 Features

- 柔软，可压缩性好
- 热阻抗较小
- 防火性能高
- 表面自带粘性
- 低压力下应用
- 良好的电绝缘性能和耐高温性能
- Soft, excellent compression rate
- Low Thermal Impedance
- UL94 V-O recognized
- Surface with viscous
- Working under low pressure
- Excellent electrical insulation performance and heat resistance

产品图片 Pictures



产品规格 Specification

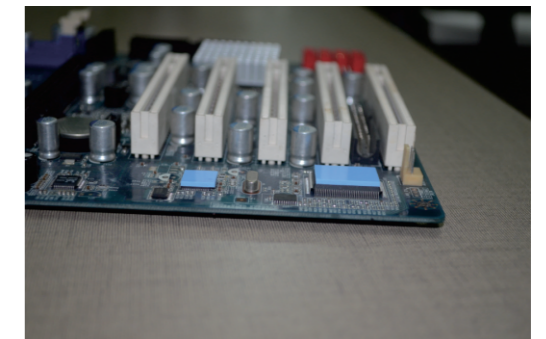
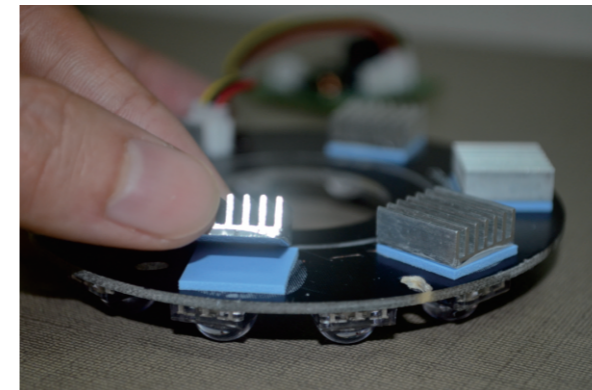
- 长宽尺寸：200mm×400mm可根据要求定制。
- 厚度尺寸：从0.2mm~14mm可满足不同客户需求。
- Dimension: 200mm×400mm or available for custom-made .
- Thickness: Various thickness for option, Available from 0.2mm to 14mm .

产品公差 Tolerance

- $H \leq 0.5 \pm 0.08$ 、 $0.5 < H < 1 \pm 0.1$ 、 $1.0 \leq H < 3.0 \pm 0.25$ 、 $3.0 \leq H < 6.0 \pm 0.35$ 、 $6.0 \leq H < 10 + 0.7 / -0.5$ 、 $H \geq 10 + 1.0 / -0.5$

应用领域 Applications

- 芯片与散热模块之间
- 光电行业
- 网通产品
- 新能源电池、汽车行业
- 家电行业
- 可穿戴设备
- Between chip and heat-dissipation modules
- Optoelectronic Industry
- Netcom products
- New energy Battery and Vehicles Industry
- Household appliances
- Wearable equipment



▶ 2.1.1 H100系列导热硅胶 H100 Series Conductive Silicone Sheet

产品系列 Series: H100

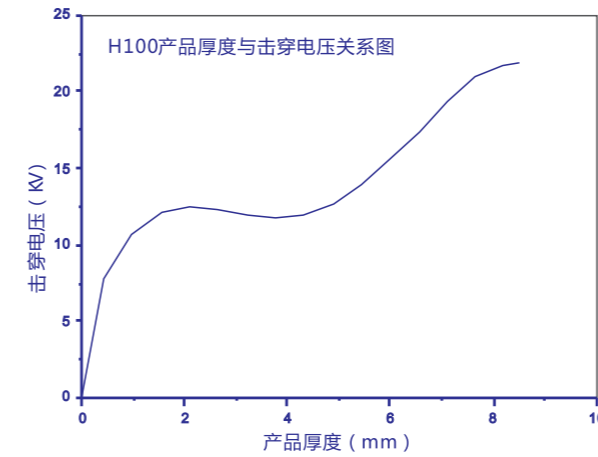
系列颜色 Color: 灰白色 / White Gray



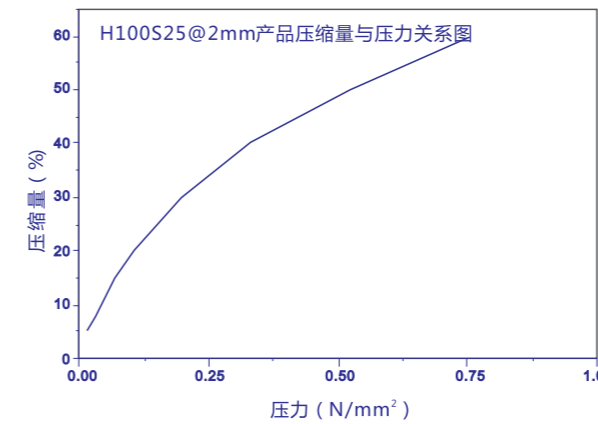
性能参数 Properties

项目 Item	技术指标 Value	检测仪器 Test Instrument	检测标准 Test Method
颜色 Color	灰白色 White Gray	目视 Visual	---
厚度(mm) Thickness	0.2~14	PEACOCK 厚度规 PEACOCK THICKNESS METER	ASTM D374
规格 Specification	根据客户要求 Can be Custom-made	---	ASTM D1204
密度(g/cc) Density	2.35(±0.5)	BS-H 电子天平 BS-H ELECTRONIC BALANCE	ASTM D792
硬度(Shore C) Hardness	8~60(±5)	LX-C 型微孔材料硬度计 LX-C CELLULAR MATERIAL DUROMETER	ASTM D2240
导热系数(W/m.K) Thermal Conductivity	1.0(±0.2)	Long-Win9389 导热系数测试仪 Long-Win9389 THERMAL CONDUCTIVITY TESTER	ASTM D5470
热阻(°Cin²/W)(@20psi&1mm) Thermal Resistance	≤2.0	DRL-III 导热系数测试仪 DRL-III THERMAL CONDUCTIVITY TESTER	ASTM D5470
击穿电压(KV)(@1mm) Breakdown Voltage	≥8	MS2676A 耐压测试仪 MS2676A WITHSTAND VOLTAGE TESTER	ASTM D149
体积电阻率(Ω.cm) Volume Resistivity	≥10 ⁸	ZC-36 高绝缘电阻测量仪 ZC-36 HIGH DIELECTRIC RESISTANCE TESTER	ASTM D257
压缩比(%)(@50psi) Compression Ratio	≥40	压缩力测试仪 COMPRESSIVE FORCE TESTER	ASTM D575-1991
拉伸强度(Mpa) Tensile Strength	≥0.3	拉力试验机 TENSION TESTER	ASTM D412-1998A
延伸率(% Elongation	≥80		
介电常数(@1MHz) Dielectric Constant	≥2	WY2851D 数显Q表 WY2851D DIGITAL Q METER	ASTM D150
介质损耗 Dielectric Loss	≤0.1		
防火性能 UL Certify	UL94-V0,5V	阻燃测试仪 FLAME RATING TESTER	UL 94
热失重% (120°C,7d) Thermal Gravimetry	≤2	可编程恒温恒湿试验箱 PROGRAMMABLE CONSTANT TEMPERATURE AND HUMIDITY TESTING MACHINE	ASTM E595-2006
使用温度(°C) Operating Temperature	-50~200	可编程冷热冲击箱 PROGRAMMABLE THERMAL SHOCK TESTER	---

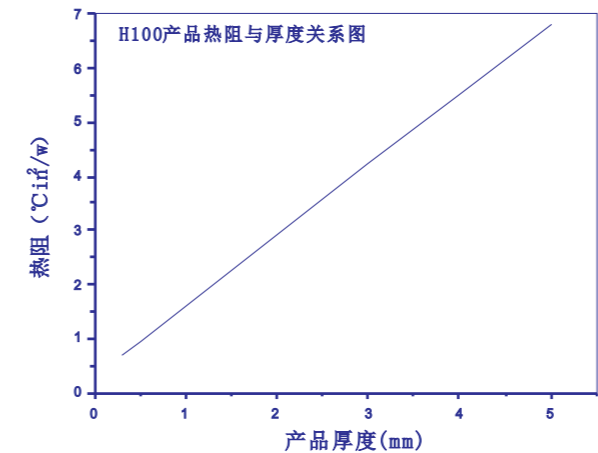
性能关系图 Performance Diagram



击穿电压与厚度关系图
Breakdown Voltage VS Thickness Diagram.



压缩量与压力关系图
测试产品为H100S25@2mm, 不同厚度和不同硬度产品会略有差异。
Compress Ratio VS Pressure Diagram
Tested by H100S25@2mm, different thickness and hardness will be slightly affected test results.



热阻与厚度关系图。
Thermal Resistance VS Thickness Diagram.

环保要求 Environmental Request

该系列产品符合RoHS、卤素管控标准。 The series of products are in accord with the standards of RoHS and HALOGEN.

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2.1.2 H100 Soft 系列导热硅胶 H100 soft Series Conductive Silicone Sheet

产品系列 Series: H100 soft

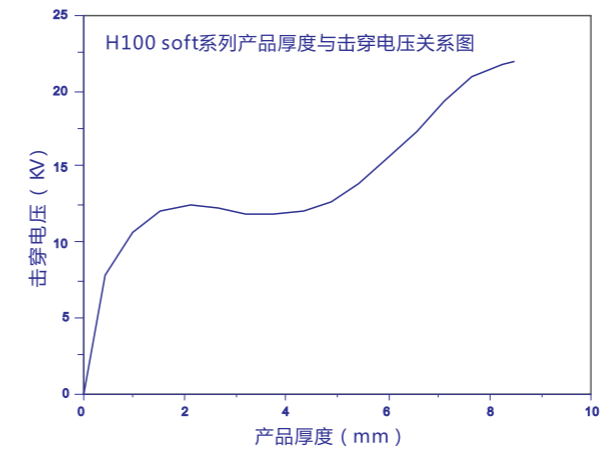
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性能参数 Properties

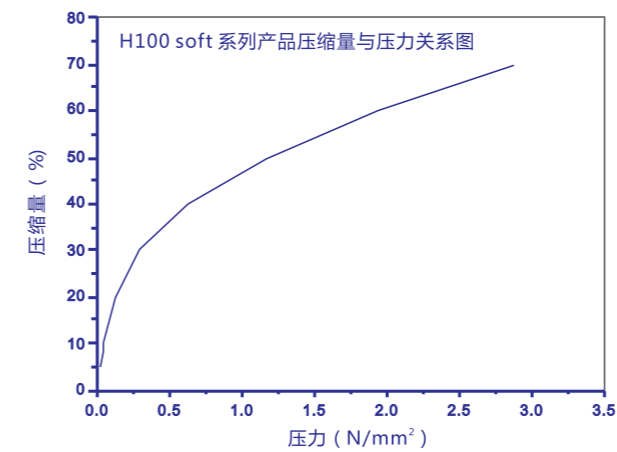


项目 Items	技术指标 Value	检测仪器 Test Instrument	检测标准 Test Method
颜色 Color	白色 White	目视 Visual	---
载体 Carrier	矽胶布 Sil-pad	---	---
厚度(mm) Thickness	0.5~3	PEACOCK 厚度规 PEACOCK THICKNESS METER	ASTM D374
规格 Specification	根据客户要求 Can be Custom-made	---	ASTM D1204
密度(g/cc) Density	2.35(±0.5)	BS-H 电子天平 BS-H ELECTRONIC BALANCE	ASTM D792
硬度(Shore C) Hardness	10(±5)	LX-C 型微孔材料硬度计 LX-C CELLULAR MATERIAL DUROMETER	ASTM D2240
导热系数(W/m.K) Thermal Conductivity	1.0(±0.2)	Long-Win9389 导热系数测试仪 Long-Win9389 THERMAL CONDUCTIVITY TESTER	ASTM D5470
初粘性(不加矽胶布一面) Tack (No Insulators)	10	PH-520 初粘度测试仪 PH-520 TACK TESTER	GB/T 4852-2002
热阻(°C·in ² /W)(@20psi&1mm) Thermal Resistance	≤3.0	DRL-III 导热系数测试仪 DRL-III THERMAL CONDUCTIVITY TESTER	ASTM D5470
击穿电压(KV)(@1mm) Breakdown Voltage	≥8	MS2676A 耐压测试仪 MS2676A WITHSTAND VOLTAGE TESTER	ASTM D149
体积电阻率(Ω·cm) Volume Resistivity	≥10 ⁹	ZC-36 高绝缘电阻测量仪 ZC-36 HIGH DIELECTRIC RESISTANCE TESTER	ASTM D257
压缩比(%)(@50psi) Compression Ratio	≥32	压缩力测试仪 COMPRESSIVE FORCE TESTER	ASTM D575-1991
拉伸强度 (Mpa) Tensile Strength	≥1.5	拉力试验机 TENSION TESTER	ASTM D412-1998A
延伸率(%) Elongation	≥5		
介电常数(@1MHz) Dielectric Constant	≥2	WY2851D 数显Q表 WY2851D DIGITAL Q METER	ASTM D150
介质损耗 Dielectric Loss	≤0.1		
防火性能 UL Certify	UL94V0,5V	阻燃测试仪 FLAME RATING TESTER	UL 94
热失重% (120°C,7d) Thermal Gravimetry	≤2	可编程恒温恒湿试验箱 PROGRAMMABLE CONTANT TEMPERATURE AND HUMIDITY TESTING MACHINE	ASTM E595-2006
使用温度 (°C) Operating Temperature	-50~200	可编程冷热冲击箱 PROGRAMMABLE THERMAL SHOCK TESTER	---

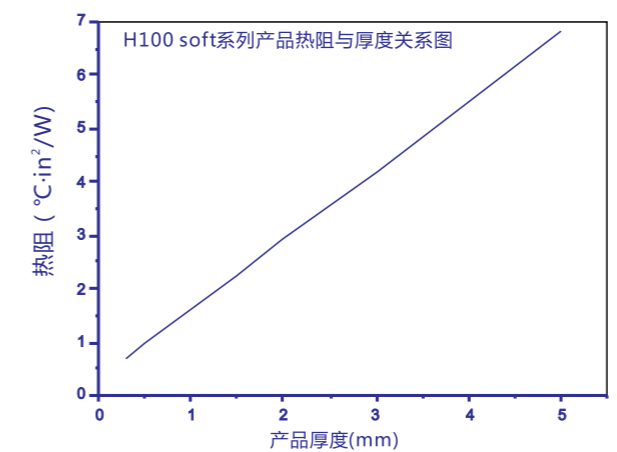
性能关系图 Performance Diagram



击穿电压与厚度关系图
Breakdown Voltage VS Thickness Diagram.



压缩量与压力关系图
测试产品为H100S10@2mm, 不同厚度和不同硬度产品会略有差异。
Compress Ratio VS Pressure Diagram
Tested by H100S10@2mm, diffident thickness and hardness will be slightly affected test results.



热阻与厚度关系图。
Thermal Resistance VS Thickness Diagram.

环保要求 Environmental Request

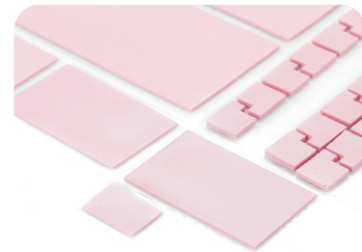
- 该系列产品符合RoHS、卤素管控标准。 The series of products are in accord with the standards of RoHS and HALOGEN.

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2.1.3 H150 系列导热硅胶 H150 Series Conductive Silicone Sheet

产品系列 Series: H150

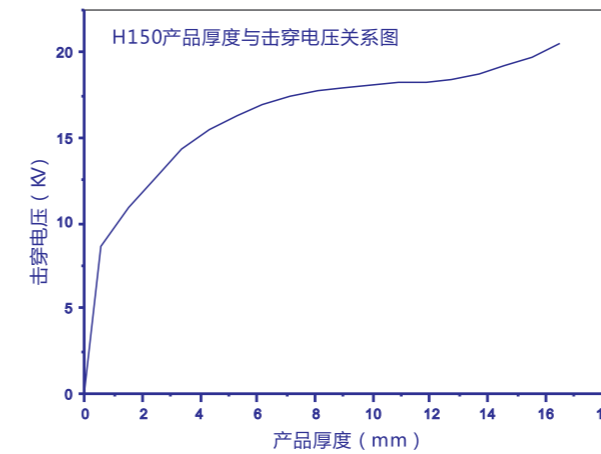
系列颜色 Color: 粉红色 / Pink



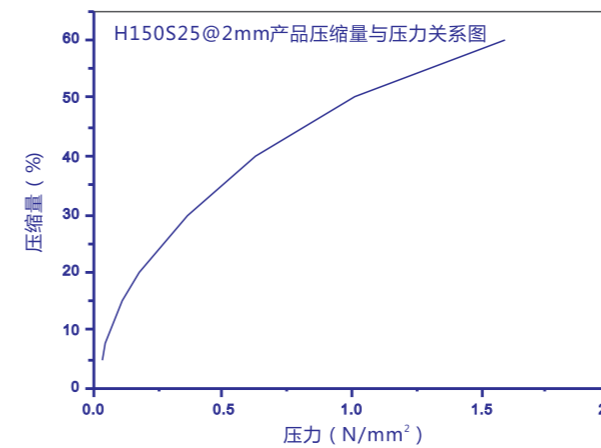
性能参数 Properties

项目 Items	技术指标 Value	检测仪器 Test Instrument	检测标准 Test Method
颜色 Color	粉红色 Pink	目视 Visual	---
厚度(mm) Thickness	0.2~14	PEACOCK 厚度规 PEACOCK THICKNESS METER	ASTM D374
规格 Specification	根据客户要求 Can be Custom-made	---	ASTM D1204
密度(g/cc) Density	2.62(±0.5)	BS-H 电子天平 BS-H ELECTRONIC BALANCE	ASTM D792
硬度(Shore C) Hardness	10~55(±5)	LX-C 型微孔材料硬度计 LX-C CELLULAR MATERIAL DUROMETER	ASTM D2240
导热系数(W/m.K) Thermal Conductivity	1.5(±0.2)	Long-Win9389 导热系数测试仪 Long-Win9389 THERMAL CONDUCTIVITY TESTER	ASTM D5470
热阻(@20psi·Cin ² /W) Thermal Resistance	≤1.5	DRL-III 导热系数测试仪 DRL-III THERMAL CONDUCTIVITY TESTER	ASTM D5470
击穿电压(KV)(@1mm) Breakdown Voltage	≥8	MS2676A 耐压测试仪 MS2676A WITHSTAND VOLTAGE TESTER	ASTM D149
体积电阻率(Ω.cm) Volume Resistivity	≥10 ⁹	ZC-36 高绝缘电阻测量仪 ZC-36 HIGH DIELECTRIC RESISTANCE TESTER	ASTM D257
压缩比(%@50psi) Compression Ratio	≥35	压缩力测试仪 COMPRESSIVE FORCE TESTER	ASTM D575-1991
拉伸强度(Mpa) Tensile Strength	≥0.3	拉力试验机 TENSION TESTER	ASTM D412-1998A
延伸率(%) Elongation	≥80		
介电常数(@1MHz) Dielectric Constant	≥5	WY2851D 数显Q表 WY2851D DIGITAL Q METER	ASTM D150
介质损耗 Dielectric Loss	≤0.1		
防火性能 UL Certify	UL94V0,5V	阻燃测试仪 FLAME RATING TESTER	UL 94
热失重(%) (120°C,7d) Thermal Gravimetric	≤2	可编程恒温恒湿试验箱 PROGRAMMABLE CONTANT TEMPERATURE AND HUMIDITY TESTING MACHINE	ASTM E595-2006
使用温度(°C) Operating Temperature	-50~200	可编程冷热冲击箱 PROGRAMMABLE THERMAL SHOCK TESTER	---

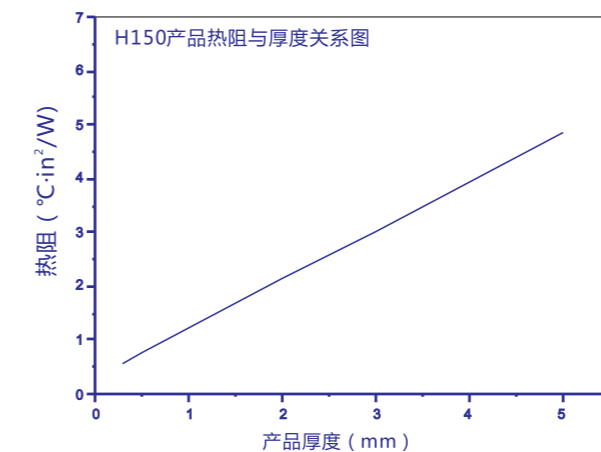
性能关系图 Performance Diagram



击穿电压与厚度关系图
Breakdown Voltage VS Thickness Diagram.



压缩量与压力关系图
测试产品为H150S25@2mm, 不同厚度和不同硬度产品会略有差异。
Compress Ratio VS Pressure Diagram
Tested by H150S25@2mm, diffident thickness and hardness will be slightly affected test results.



热阻与厚度关系图。
Thermal Resistance VS Thickness Diagram.

环保要求 Environmental Request

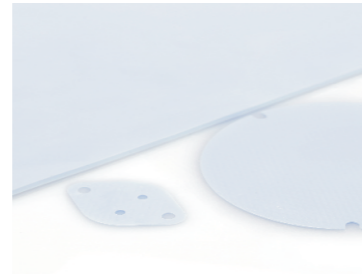
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2.1.4 H200 系列导热硅胶 H200 Series Conductive Silicone Sheet

产品系列 Series: H200

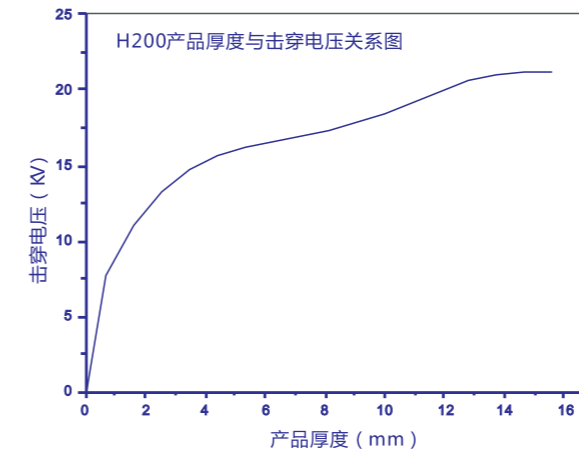
系列颜色 Color: 浅蓝色 / Light Blue



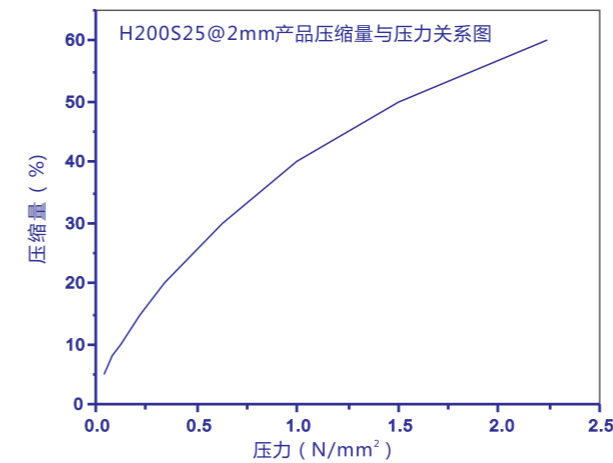
性能参数 Properties

项目 Items	技术指标 Value	检测仪器 Test Instrument	检测标准 Test Method
颜色 Color	浅蓝色 Light Blue	目视 Visual	---
厚度(mm) Thickness	0.3~14	PEACOCK 厚度规 PEACOCK THICKNESS METER	ASTM D374
规格 Specification	根据客户要求 Can be Custom-made	---	ASTM D1204
密度(g/cc) Density	2.8(±0.5)	BS-H 电子天平 BS-H ELECTRONIC BALANCE	ASTM D792
硬度(Shore C) Hardness	10~55(±5)	LX-C 型微孔材料硬度计 LX-C CELLULAR MATERIAL DUROMETER	ASTM D2240
导热系数(W/m.K) Thermal Conductivity	2.0(±0.2)	Long-Win9389 导热系数测试仪 Long-Win9389 THERMAL CONDUCTIVITY TESTER	ASTM D5470
热阻(°C·in ² /W)(@20psi&1mm) Thermal Resistance	≤1.2	DRL-III 导热系数测试仪 DRL-III THERMAL CONDUCTIVITY TESTER	ASTM D5470
击穿电压(KV)(@1mm) Breakdown Voltage	≥8	MS2676A 耐压测试仪 MS2676A WITHSTAND VOLTAGE TESTER	ASTM D149
体积电阻率(Ω·cm) Volume Resistivity	≥10 ⁸	ZC-36 高绝缘电阻测量仪 ZC-36 HIGH DIELECTRIC RESISTANCE TESTER	ASTM D257
压缩比(%)(@50psi) Compression Ratio	≥35	压缩力测试仪 COMPRESSIVE FORCE TESTER	ASTM D575-1991
拉伸强度 (Mpa) Tensile Strength	≥0.25	拉力试验机 TENSION TESTER	ASTM D412-1998A
延伸率(%) Elongation	≥70		
介电常数(@1MHz) Dielectric Constant	≥5	WY2851D 数显Q表 WY2851D DIGITAL Q METER	ASTM D150
介质损耗 Dielectric Loss	≤0.1		
防火性能 UL Certify	UL94V0,5V	阻燃测试仪 FLAME RATING TESTER	UL 94
热失重% (120°C,7d) Thermal Gravimetry	≤2	可编程恒温恒湿试验箱 PROGRAMMABLE CONTANT TEMPERATURE AND HUMIDITY TESTING MACHINE	ASTM E595-2006
使用温度(°C) Operating Temperature	-50~200	可编程冷热冲击箱 PROGRAMMABLE THERMAL SHOCK TESTER	---

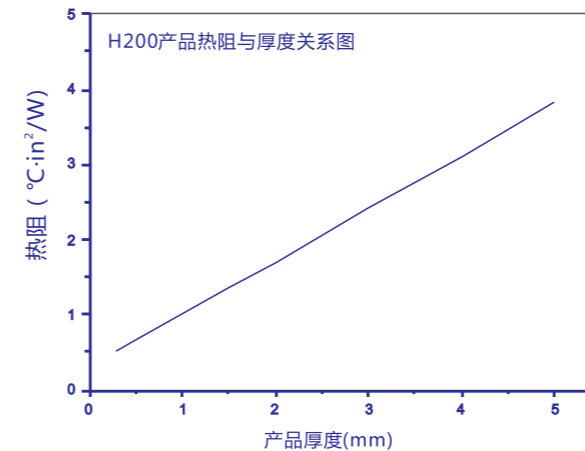
性能关系图 Performance Diagram



击穿电压与厚度关系图
Breakdown Voltage VS Thickness Diagram.



压缩量与压力关系图
测试产品为H200S25@2mm, 不同厚度和不同硬度产品会略有差异。
Compress Ratio VS Pressure Diagram
Tested by H200S25@2mm, diffident thickness and hardness will be slightly affected test results.



热阻与厚度关系图。
Thermal Resistance VS Thickness Diagram.

环保要求 Environmental Request

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2.1.5 H250 系列导热硅胶 H250 Series Conductive Silicone Sheet

产品系列 Series: H250

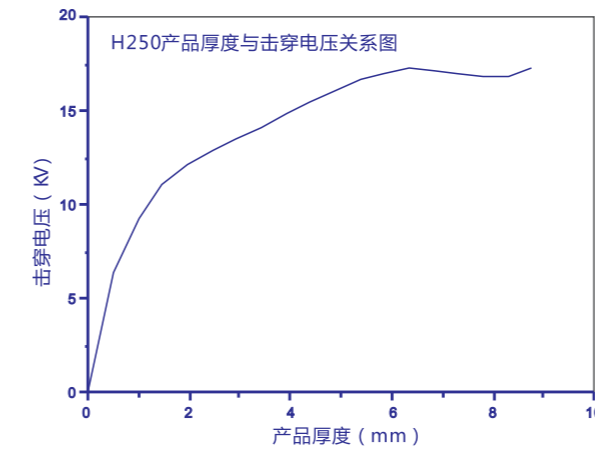
系列颜色 Color: 光黄色 / Light Yellow



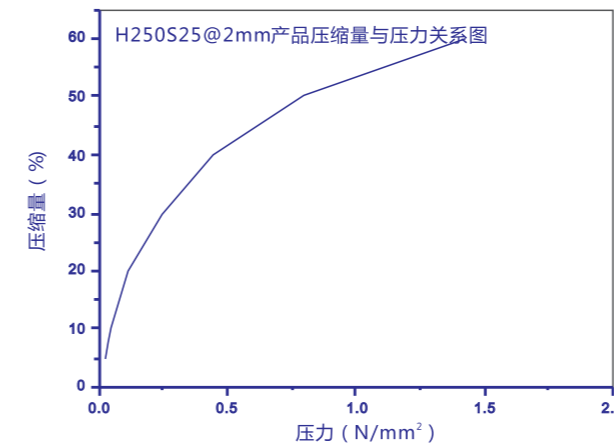
性能参数 Properties

项目 Items	技术指标 Value	检测仪器 Test Instrument	检测标准 Test Method
颜色 Color	光黄色 Light Yellow	目视 Visual	---
厚度(mm) Thickness	0.3~14	PEACOCK 厚度规 PEACOCK THICKNESS METER	ASTM D374
规格 Specification	根据客户要求 Can be Custom-made	---	ASTM D1204
密度(g/cc) Density	2.93(±0.5)	BS-H 电子天平 BS-H ELECTRONIC BALANCE	ASTM D792
硬度(Shore C) Hardness	10~55(±5)	LX-C 型微孔材料硬度计 LX-C CELLULAR MATERIAL DUROMETER	ASTM D2240
导热系数(W/m.K) Thermal Conductivity	2.5(±0.2)	Long-Win9389 导热系数测试仪 Long-Win9389 THERMAL CONDUCTIVITY TESTER	ASTM D5470
热阻(°C·in ² /W)(@20psi&1mm) Thermal Resistance	≤1.0	DRL-III 导热系数测试仪 DRL-III THERMAL CONDUCTIVITY TESTER	ASTM D5470
击穿电压(KV)(@1mm) Breakdown Voltage	≥8	MS2676A 耐压测试仪 MS2676A WITHSTAND VOLTAGE TESTER	ASTM D149
体积电阻率(Ω.cm) Volume Resistivity	≥10 ⁸	ZC-36 高绝缘电阻测量仪 ZC-36 HIGH DIELECTRIC RESISTANCE TESTER	ASTM D257
压缩比(%)(@50psi) Compression Ratio	≥35	压缩力测试仪 COMPRESSIVE FORCE TESTER	ASTM D575-1991
拉伸强度 (Mpa) Tensile Strength	≥0.25	拉力试验机 TENSION TESTER	ASTM D412-1998A
延伸率(%) Elongation	≥70		
介电常数(@1MHz) Dielectric Constant	≥5	WY2851D 数显Q表 WY2851D DIGITAL Q METER	ASTM D150
介质损耗 Dielectric Loss	≤0.1		
防火性能 UL Certify	UL94V0,5V	阻燃测试仪 FLAME RATING TESTER	UL 94
热失重% (120°C,7d) Thermal Gravimetry	≤2	可编程恒温恒湿试验箱 PROGRAMMABLE CONTANT TEMPERATURE AND HUMIDITY TESTING MACHINE	ASTM E595-2006
使用温度 (°C) Operating Temperature	-50~200	可编程冷热冲击箱 PROGRAMMABLE THERMAL SHOCK TESTER	---

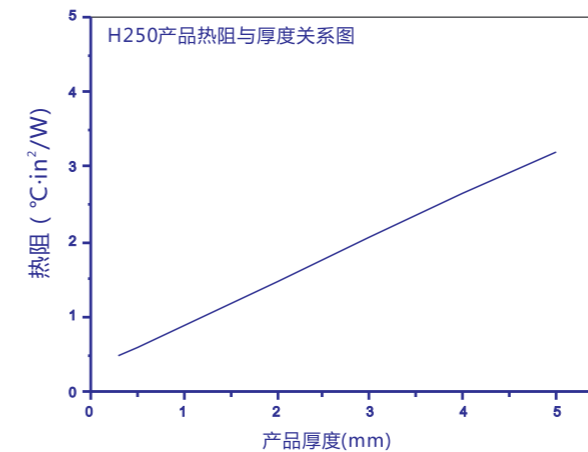
性能关系图 Performance Diagram



击穿电压与厚度关系图
Breakdown Voltage VS Thickness Diagram.



压缩量与压力关系图
测试产品为H250S25@2mm, 不同厚度和不同硬度产品会略有差异。
Compress Ratio VS Pressure Diagram
Tested by H250S25@2mm, diffident thickness and hardness will be slightly affected test results.



热阻与厚度关系图。
Thermal Resistance VS Thickness Diagram.

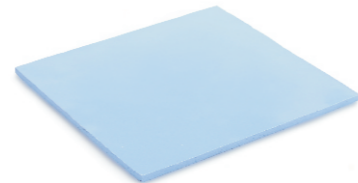
环保要求 Environmental Request

- 该系列产品符合RoHS、卤素管控标准。 The series of products are in accord with the standards of RoHS and HALOGEN.

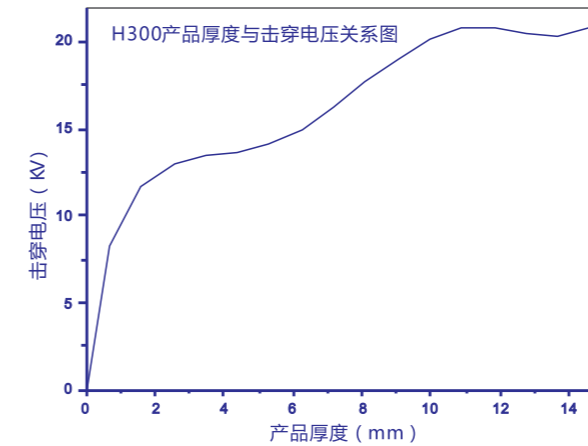
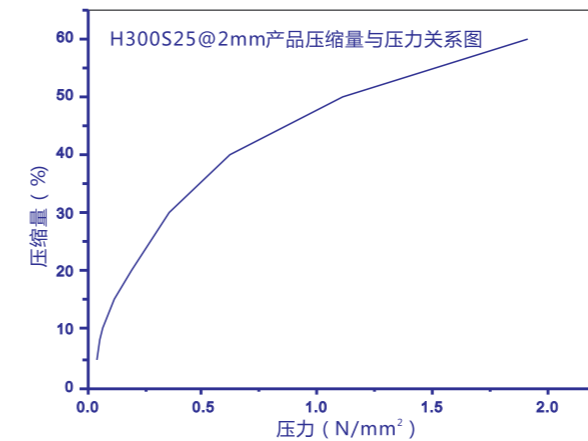
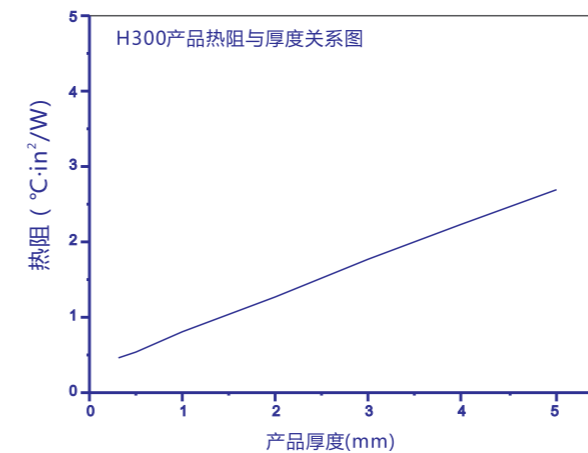
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2.1.6 H300 系列导热硅胶 H300 Series Conductive Silicone Sheet

产品系列 Series: H300

系列颜色 Color: 天蓝色 / Sky Blue

性能参数 Properties

项目 Items	参数 Value	检测仪器 Test Instrument	检测标准 Test Method
颜色 Color	天蓝色 Sky Blue	目视 Visual	---
厚度(mm) Thickness	0.3~14	PEACOCK 厚度规 PEACOCK THICKNESS METER	ASTM D374
规格 Specification	根据客户要求 Can be Custom-made	---	ASTM D1204
密度(g/cc) Density	2.95(±0.5)	BS-H 电子天平 BS-H ELECTRONIC BALANCE	ASTM D792
硬度(Shore C) Hardness	15~55(±5)	LX-C 型微孔材料硬度计 LX-C CELLULAR MATERIAL DUROMETER	ASTM D2240
导热系数(W/m.K) Thermal Conductivity	3.0 (±0.25)	Long-Win9389 导热系数测试仪 Long-Win9389 THERMAL CONDUCTIVITY TESTER	ASTM D5470
热阻(°C·in ² /W)(@20psi&1mm) Thermal Resistance	≤0.9	DRL-III 导热系数测试仪 DRL-III THERMAL CONDUCTIVITY TESTER	ASTM D5470
击穿电压(KV)(@1mm) Breakdown Voltage	≥8	MS2676A 耐压测试仪 MS2676A WITHSTAND VOLTAGE TESTER	ASTM D149
体电阻率(Ω·cm) Volume Resistivity	≥10 ⁸	ZC-36 高绝缘电阻测量仪 ZC-36 HIGH DIELECTRIC RESISTANCE TESTER	ASTM D257
压缩比(%)(@50psi) Compression Ratio	≥25	压缩力测试仪 COMPRESSIVE FORCE TESTER	ASTM D575-1991
拉伸强度 (Mpa) Tensile Strength	≥0.15	拉力试验机 TENSION TESTER	ASTM D412-1998A
延伸率(%) Elongation	≥60		
介电常数(@1MHz) Dielectric Constant	≥5	WY2851D 数显Q表 WY2851D DIGITAL Q METER	ASTM D150
介质损耗 Dielectric Loss	≤0.1		
防火性能 UL Certify	UL94V0,5V	阻燃测试仪 FLAME RATING TESTER	UL 94
热失重% (120°C,7d) Thermal Gravimetry	≤1	可编程恒温恒湿试验箱 PROGRAMMABLE CONTANT TEMPERATURE AND HUMIDITY TESTING MACHINE	ASTM E595-2006
使用温度(°C) Operating Temperature	-50~200	可编程冷热冲击箱 PROGRAMMABLE THERMAL SHOCK TESTER	---

性能关系图 Performance Diagram

 击穿电压与厚度关系图
 Breakdown Voltage VS Thickness Diagram.

 压缩量与压力关系图
 测试产品为H300S25@2mm, 不同厚度和不同硬度产品会略有差异。
 Compress Ratio VS Pressure Diagram
 Tested by H300S25@2mm, diffident thickness and hardness will be slightly affected test results.

 热阻与厚度关系图。
 Thermal Resistance VS Thickness Diagram.

环保要求 Environmental Request

该系列产品符合RoHS、卤素管控标准。 The series of products are in accord with the standards of RoHS and HALOGEN.

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2.1.7 H300DR 系列导热硅胶 H300 DR Series Conductive Silicone Sheet

产品系列 Series: H300DR

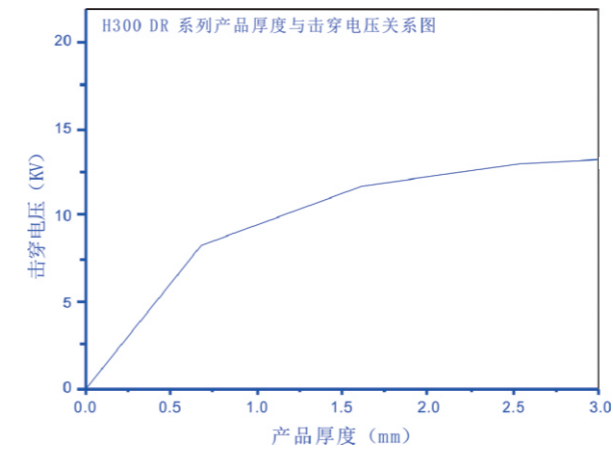
系列颜色 Color: 白色 / White



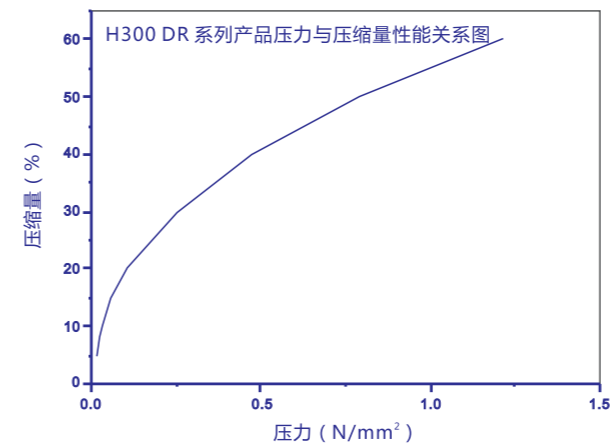
性能参数 Properties

项目 Items	技术指标 Value	检测仪器 Test Instrument	检测标准 Test Method
颜色 Color	白色 White	目视 Visual	---
厚度(mm) Thickness	0.5~3	PEACOCK 厚度规 PEACOCK THICKNESS METER	ASTM D374
规格 Specification	根据客户要求 Can be Custom-made	---	ASTM D1204
密度(g/cc) Density	2.95(±0.5)	BS-H 电子天平 BS-H ELECTRONIC BALANCE	ASTM D792
硬度(Shore C) Hardness	20~40(±5)	LX-C 型微孔材料硬度计 LX-C CELLULAR MATERIAL DUROMETER	ASTM D2240
导热系数(W/m.K) Thermal Conductivity	3.0(±0.2)	Long-Win9389 导热系数测试仪 Long-Win9389 THERMAL CONDUCTIVITY TESTER	ASTM D5470
热阻(°Cin ² /W)(@20psi&1mm) Thermal Resistance	≤0.9	DRL-III 导热系数测试仪 DRL-III THERMAL CONDUCTIVITY TESTER	ASTM D5470
击穿电压(KV) (@1mm) Breakdown Voltage	≥8	MS2676A 耐压测试仪 MS2676A WITHSTAND VOLTAGE TESTER	ASTM D149
体积电阻率(Ω.cm) Volume Resistivity	≥10 ⁸	ZC-36 高绝缘电阻测量仪 ZC-36 HIGH DIELECTRIC RESISTANCE TESTER	ASTM D257
80%压缩保持力(N/mm ²) 80% Compression Retention	1.3	压缩力测试仪 COMPRESSINVE FORCE TESTER	ASTM D575-1991
压缩比(@50psi) Compression Ratio	≥34.8	压缩力测试仪 COMPRESSINVE FORCE TESTER	ASTM D575-1991
拉伸强度(Mpa) Tensile Strength	≥0.12	拉力试验机 TENSION TESTER	ASTM D412-1998A
延伸率(%) Elongation	≥150		
介电常数(@1MHz) Dielectric Constant	≥5	WY2851D 数显Q表 WY2851D DIGITAL Q METER	ASTM D150
介电损耗 Dielectric Loss	≤0.1		
热失重% (120°C,7d) Thermal Gravimetry	≤1	可编程恒温恒湿试验箱 PROGRAMMABLE CONTANT TEMPERATURE AND HUMIDITY TESTING MACHINE	ASTM E595-2006
使用温度(°C) Operating Temperature	-50~150	可编程冷热冲击箱 PROGRAMMABLE THERMAL SHOCK TESTER	---

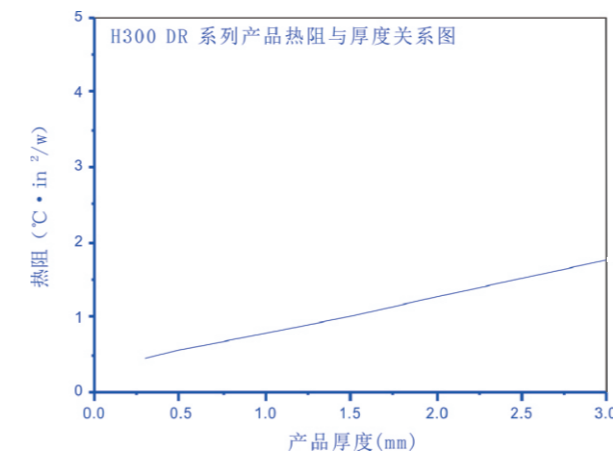
性能关系图 Performance Diagram



击穿电压与厚度关系图
Breakdown Voltage VS Thickness Diagram.



压缩量与压力关系图
测试产品为H300DR@1mm, 不同厚度和不同硬度产品会略有差异。
Compress Ratio VS Pressure Diagram
Tested by H300DR@1mm, diffident thickness and hardness will be slightly affected test results.



热阻与厚度关系图。
Thermal Resistance VS Thickness Diagram.

环保要求 Environmental Request

- 该系列产品符合RoHS、卤素管控标准。 The series of products are in accord with the standards of RoHS and HALOGEN.

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2.1.8 H350 系列导热硅胶 H350 Series Conductive Silicone Sheet

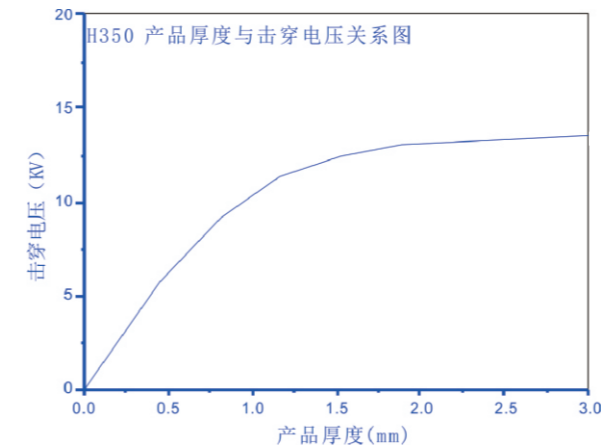
产品系列 Series: H350

系列颜色 Color: 绿色 / Green

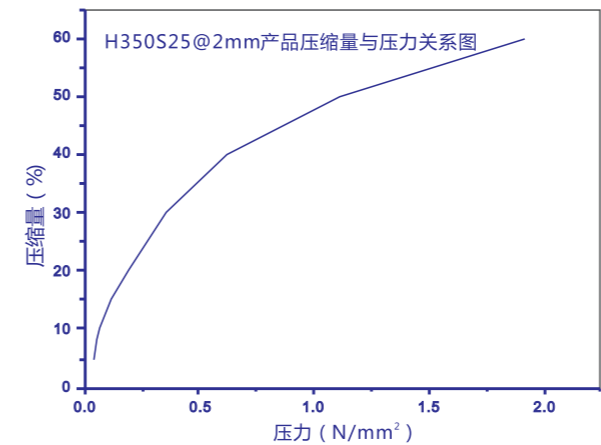
性能参数 Properties

项目 Items	技术指标 Value	检测仪器 Test Instrument	检测标准 Test Method
颜色 Color	绿色 Green	目视 Visual	---
厚度(mm) Thickness	0.5~3	PEACOCK 厚度规 PEACOCK THICKNESS METER	ASTM D374
规格 Specification	根据客户要求 Can be Custom-made	---	ASTM D1204
密度(g/cc) Density	3.05(±0.5)	BS-H 电子天平 BS-H ELECTRONIC BALANCE	ASTM D792
硬度(Shore C) Hardness	30~60(±5)	LX-C 型微孔材料硬度计 LX-C CELLULAR MATERIAL DUROMETER	ASTM D2240
导热系数(W/m.K) Thermal Conductivity	3.5(±0.25)	Long-Win9389 导热系数测试仪 Long-Win9389 THERMAL CONDUCTIVITY TESTER	ASTM D5470
热阻(°Cin ² /W)(@20psi&1mm) Thermal Resistance	≤0.8	DRL-III 导热系数测试仪 DRL-III THERMAL CONDUCTIVITY TESTER	ASTM D5470
击穿电压(KV)(@1mm) Breakdown Voltage	≥8	MS2676A 耐压测试仪 MS2676A WITHSTAND VOLTAGE TESTER	ASTM D149
体积电阻率(Ω.cm) Volume Resistivity	≥10 ⁹	ZC-36 高绝缘电阻测量仪 ZC-36 HIGH DIELECTRIC RESISTANCE TESTER	ASTM D257
压缩比(%@50psi) Compression Ratio	≥40	压缩力测试仪 COMPRESSIVE FORCE TESTER	ASTM D575-1991
拉伸强度(Mpa) Tensile Strength Mpa	≥0.25	拉力试验机 TENSION TESTER	ASTM D412-1998A
延伸率(%) Elongation	≥55		
介电常数(@1MHz) Dielectric Constant	≥2	WY2851D 数显Q表 WY2851D DIGITAL Q METER	ASTM D150
介质损耗 Dielectric Loss	≤0.1		
防火性能 UL Certify	UL94V0,5V	阻燃测试仪 FLAME RATING TESTER	UL 94
热失重% (120°C,7d) Thermal Gravimetry	≤1	可编程恒温恒湿试验箱 PROGRAMMABLE CONTANT TEMPERATURE AND HUMIDITY TESTING MACHINE	ASTM E595-2006
使用温度(°C) Operating Temperature	-50~180	可编程冷热冲击箱 PROGRAMMABLE THERMAL SHOCK TESTER	---

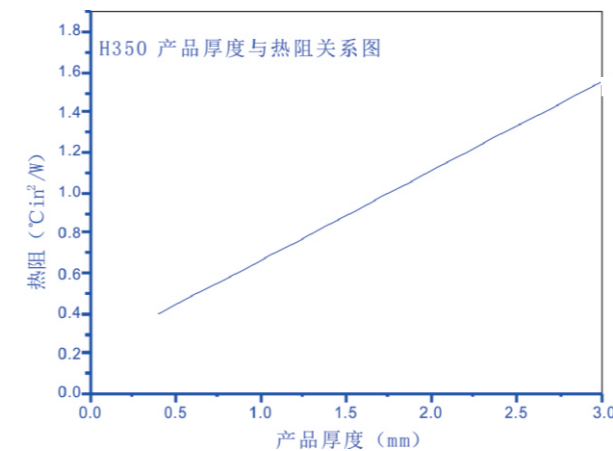
性能关系图 Performance Diagram



击穿电压与厚度关系图
Breakdown Voltage VS Thickness Diagram.



压缩量与压力关系图
测试产品为H350S25@2mm, 不同厚度和不同硬度产品会略有差异。
Compress Ratio VS Pressure Diagram
Tested by H350S25@2mm, diffident thickness and hardness will be slightly affected test results.



热阻与厚度关系图。
Thermal Resistance VS Thickness Diagram.

环保要求 Environmental Request

- 该系列产品符合RoHS、卤素管控标准。 The series of products are in accord with the standards of RoHS and HALOGEN.

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2.1.9 H350R 系列导热硅胶 H350 Series Conductive Silicone Sheet

产品系列 Series: H350R

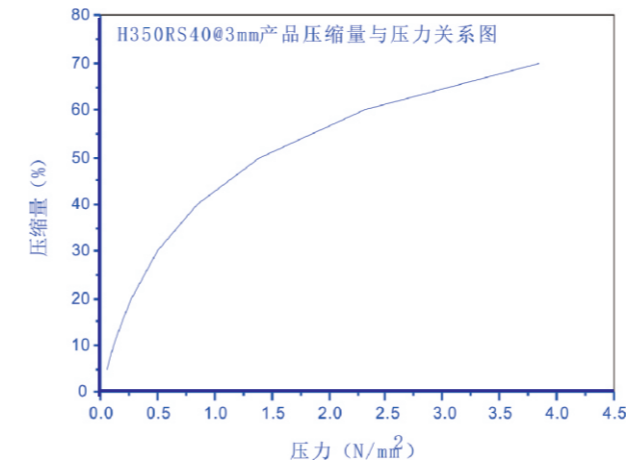
系列颜色 Color: 灰色 / Gray



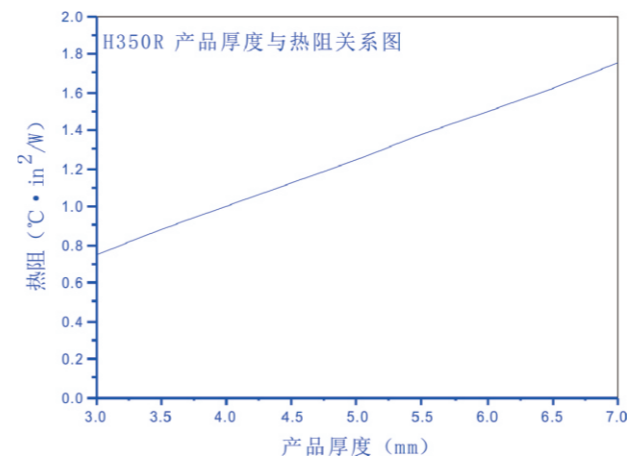
性能参数 Properties

项目 Items	技术指标 Value	检测仪器 Test Instrument	检测标准 Test Method
颜色 Color	灰色 Gray	目视 Visual	---
厚度(mm) Thickness	3~10	PEACOCK 厚度规 PEACOCK THICKNESS METER	ASTM D374
规格 Specification	根据客户要求 Can be Custom-made	---	ASTM D1204
密度(g/cc) Density	2.8(±0.5)	BS-H 电子天平 BS-H ELECTRONIC BALANCE	ASTM D792
硬度(Shore C) Hardness	20~60(±5)	LX-C 型微孔材料硬度计 LX-C CELLULAR MATERIAL DUROMETER	ASTM D2240
导热系数(W/m.K) Thermal Conductivity	3.5(±0.25)	Long-Win9389 导热系数测试仪 Long-Win9389 THERMAL CONDUCTIVITY TESTER	ASTM D5470
热阻(°Cin ² /W)(@20psi&3mm) Thermal Resistance	≤0.8	DRL-III 导热系数测试仪 DRL-III THERMAL CONDUCTIVITY TESTER	ASTM D5470
体积电阻率(Ω.cm) Volume Resistivity	≥10 ⁸	ZC-36 高绝缘电阻测量仪 ZC-36 HIGH DIELECTRIC RESISTANCE TESTER	ASTM D257
压缩比(%@50psi) Compression Ratio	≥20	压缩力测试仪 COMPRESSIVE FORCE TESTER	ASTM D575-1991
拉伸强度(Mpa) Tensile Strength Mpa	≥0.15	拉力试验机 TENSION TESTER	ASTM D412-1998A
延伸率(%) Elongation	≥60		
介电常数(@1MHz) Dielectric Constant	≥10	WY2851D 数显Q表 WY2851D DIGITAL Q METER	ASTM D150
介质损耗 Dielectric Loss	≤0.1		
防火性能 UL Certify	UL94V0,5V	阻燃测试仪 FLAME RATING TESTER	UL 94
热失重% (120°C,7d) Thermal Gravimetry	≤1	可编程恒温恒湿试验箱 PROGRAMMABLE CONTANT TEMPERATURE AND HUMIDITY TESTING MACHINE	ASTM E595-2006
使用温度(°C) Operating Temperature	-50~150	可编程冷热冲击箱 PROGRAMMABLE THERMAL SHOCK TESTER	---

性能关系图 Performance Diagram



压缩量与压力关系图
测试产品为H350RS40@3mm, 不同厚度和不同硬度产品会略有差异。
Compress Ratio VS Pressure Diagram
Tested by H350RS40@3mm, different thickness and hardness will be slightly affected test results.



热阻与厚度关系图。
Thermal Resistance VS Thickness Diagram.

环保要求 Environmental Request

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2.1.10 H400 系列导热硅胶 H400 Series Conductive Silicone Sheet

产品系列 Series: H400

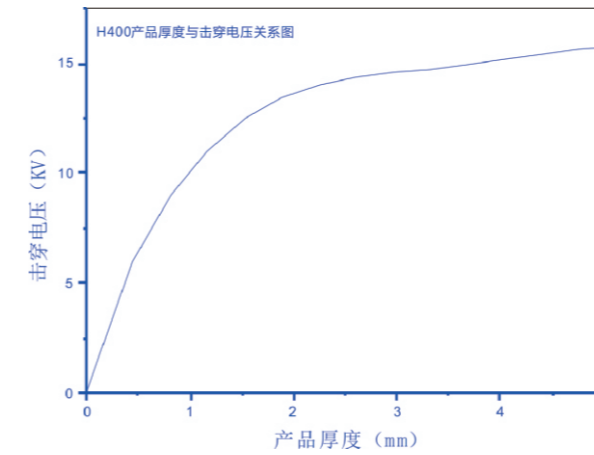
系列颜色 Color: 紫红色 / Purple



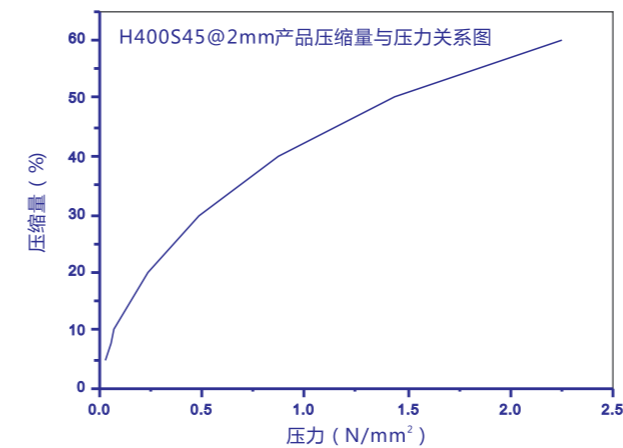
性能参数 Properties

项目 Items	技术指标 Value	检测仪器 Test Instrument	检测标准 Test Method
颜色 Color	紫红色 Purple	目视 Visual	—
厚度(mm) Thickness	0.5~5	PEACOCK 厚度规 PEACOCK THICKNESS METER	ASTM D374
规格 Specification	根据客户要求 Can be Custom-made	—	ASTM D1204
密度(g/cc) Density	3.12(±0.5)	BS-H 电子天平 BS-H ELECTRONIC BALANCE	ASTM D792
硬度(Shore C) Hardness	30~55(±5)	LX-C 型微孔材料硬度计 LX-C CELLULAR MATERIAL DUROMETER	ASTM D2240
导热系数(W/m.K) Thermal Conductivity	4.0 (±0.25)	Long-Win9389 导热系数测试仪 Long-Win9389 THERMAL CONDUCTIVITY TESTER	ASTM D5470
热阻(°C·in ² /W)(@20psi&1mm) Thermal Resistance	≤0.75	DRL-III 导热系数测试仪 DRL-III THERMAL CONDUCTIVITY TESTER	ASTM D5470
击穿电压(KV)(@1mm) Breakdown Voltage	≥8	MS2676A 耐压测试仪 MS2676A WITHSTAND VOLTAGE TESTER	ASTM D149
体积电阻率(Ω.cm) Volume Resistivity	≥10 ⁸	ZC-36 高绝缘电阻测量仪 ZC-36 HIGH DIELECTRIC RESISTANCE TESTER	ASTM D257
压缩比(%@50psi) Compression Ratio	≥20	压缩力测试仪 COMPRESSIVE FORCE TESTER	ASTM D575-1991
拉伸强度(Mpa) Tensile Strength	≥0.15	拉力试验机 TENSION TESTER	ASTM D412-1998A
延伸率(%) Elongation	≥70		
介电常数(@1MHz) Dielectric Constant	≥5	WY2851D 数显Q表 WY2851D DIGITAL Q METER	ASTM D150
介质损耗 Dielectric Loss	≤0.1		
防火性能 UL Certify	UL94V0,5V	阻燃测试仪 FLAME RATING TESTER	UL 94
热失重(%) (120°C,7d) Thermal Gravimetric	≤0.5	可编程恒温恒湿试验箱 PROGRAMMABLE CONTANT TEMPERATURE AND HUMIDITY TESTING MACHINE	ASTM E595-2006
使用温度(°C) Operating Temperature	-50~180	可编程冷热冲击箱 PROGRAMMABLE THERMAL SHOCK TESTER	—

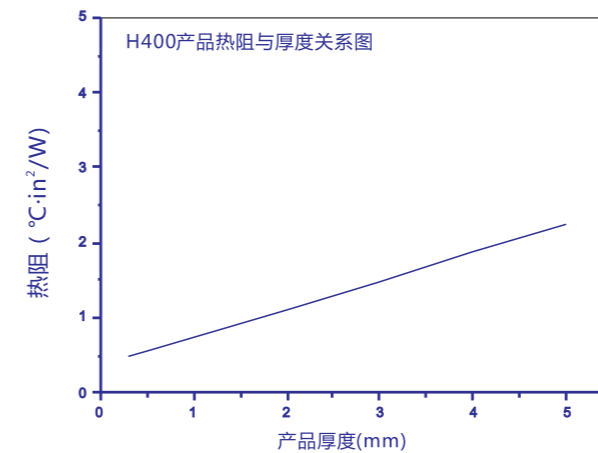
性能关系图 Performance Diagram



击穿电压与厚度关系图
Breakdown Voltage VS Thickness Diagram.



压缩量与压力关系图
测试产品为H400S45@2mm, 不同厚度和不同硬度产品会略有差异。
Compress Ratio VS Pressure Diagram
Tested by H400S45@2mm, different thickness and hardness will be slightly affected test results.



热阻与厚度关系图。
Thermal Resistance VS Thickness Diagram.

环保要求 Environmental Request

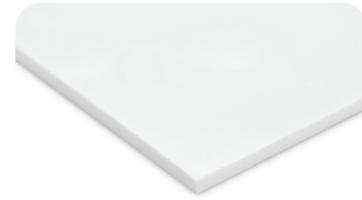
- 该系列产品符合RoHS、卤素管控标准。 The series of products are in accord with the standards of RoHS and HALOGEN.

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▶ 2.1.11 H500 系列导热硅胶 H500 Series Conductive Silicone Sheet

产品系列 Series: H500

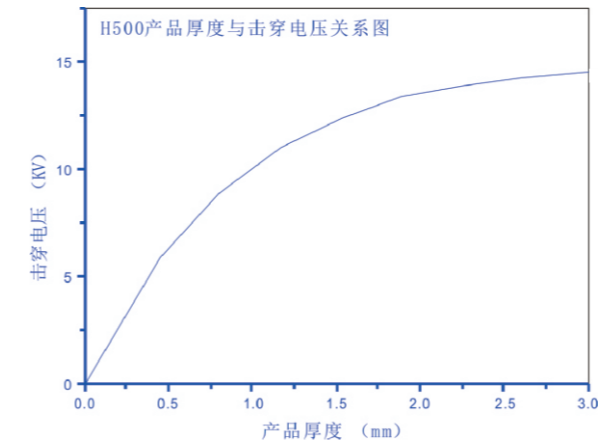
系列颜色 Color: 白色 / White



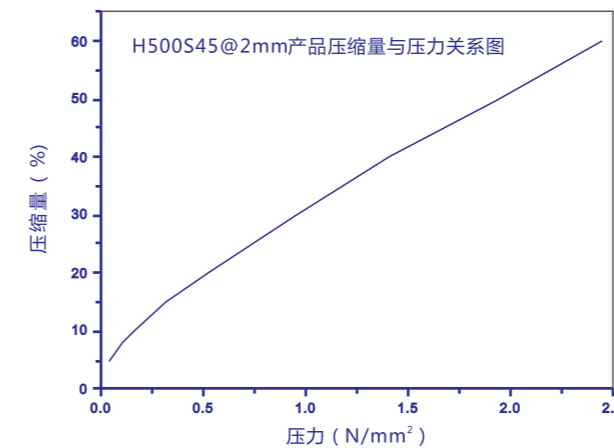
性能参数 Properties

项目 Items	技术指标 Value	检测仪器 Test Instrument	检测标准 Test Method
颜色 Color	白色 White	目视 Visual	---
厚度 (mm) Thickness	0.5~3	PEACOCK 厚度规 PEACOCK THICKNESS METER	ASTM D374
规格 Specification	根据客户要求 Can be Custom-made	---	ASTM D1204
密度 (g/cc) Density	3.2(±0.5)	BS-H 电子天平 BS-H ELECTRONIC BALANCE	ASTM D792
硬度 (Shore C) Hardness	35~50(±5)	LX-C 型微孔材料硬度计 LX-C CELLULAR MATERIAL DUROMETER	ASTM D2240
导热系数 (W/m.K) Thermal Conductivity	5.0(±0.5)	Long-Win9389 导热系数测试仪 Long-Win9389 THERMAL CONDUCTIVITY TESTER	ASTM D5470
热阻 (°Cin²/W)(@20psi&1mm) Thermal Resistance	≤ 0.7	DRL-III 导热系数测试仪 DRL-III THERMAL CONDUCTIVITY TESTER	ASTM D5470
击穿电压 (KV)(@1mm) Breakdown Voltage	≥ 7	MS2676A 耐压测试仪 MS2676A WITHSTAND VOLTAGE TESTER	ASTM D149
体积电阻率 (Ω.cm) Volume Resistivity	≥ 10 ⁸	ZC-36 高绝缘电阻测量仪 ZC-36 HIGH DIELECTRIC RESISTANCE TESTER	ASTM D257
压缩比 (%@50psi) Compression Ratio	≥ 20	压缩力测试仪 COMPRESSIVE FORCE TESTER	ASTM D575-1991
拉伸强度 (Mpa) Tensile Strength	≥ 0.15	拉力试验机 TENSION TESTER	ASTM D412-1998A
延伸率 (%) Elongation	≥ 60		
介电常数 (@1MHz) Dielectric Constant	≥ 5	WY2851D 数显 Q 表 WY2851D DIGITAL Q METER	ASTM D150
介质损耗 Dielectric Loss	≤ 0.1		
防火性能 UL Certify	UL94V0,5V	阻燃测试仪 FLAME RATING TESTER	UL 94
热失重 (%) (120°C,7d) Thermal Gravimetric	≤ 0.5	可编程恒温恒湿试验箱 PROGRAMMABLE CONTANT TEMPERATURE AND HUMIDITY TESTING MACHINE	ASTM E595-2006
使用温度 (°C) Operating Temperature	-50~180	可编程冷热冲击箱 PROGRAMMABLE THERMAL SHOCK TESTER	---

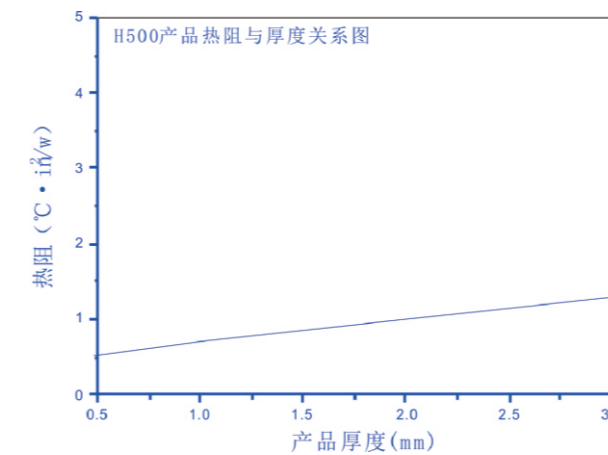
性能关系图 Performance Diagram



击穿电压与厚度关系图
Breakdown Voltage VS Thickness Diagram.



压缩量与压力关系图
测试产品为H500S45@2mm, 不同厚度和不同硬度产品会略有差异。
Compress Ratio VS Pressure Diagram
Tested by H500S45@2mm, different thickness and hardness will be slightly affected test results.



热阻与厚度关系图。
Thermal Resistance VS Thickness Diagram.

环保要求 Environmental Request

● 该系列产品符合RoHS、卤素管控标准。 The series of products are in accord with the standards of RoHS and HALOGEN.

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▶ 2.1.12 H500R 系列导热硅胶 H500R Series Conductive Silicone Sheet

产品系列 Series: H500R

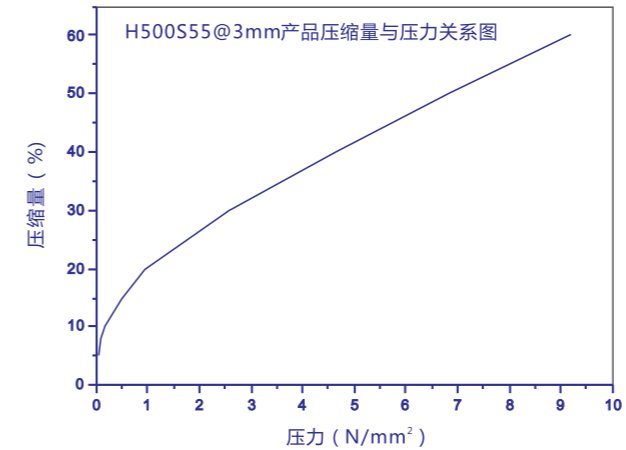
系列颜色 Color: 灰色 / Gray

性能参数 Properties

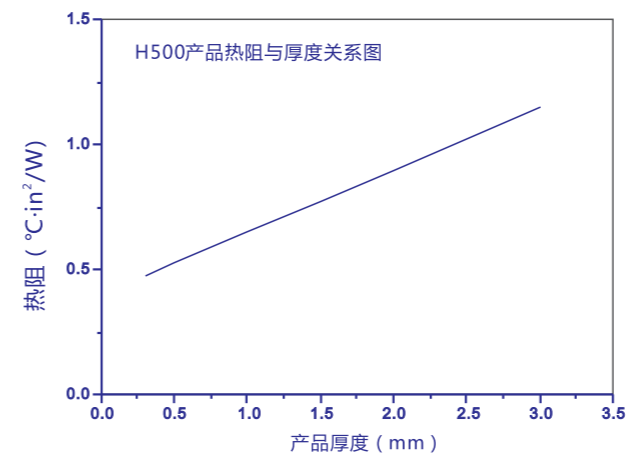


项目 Items	技术指标 Value	检测仪器 Test Instrument	检测标准 Test Method
颜色 Color	灰色 Gray	目视 Visual	---
厚度(mm) Thickness	0.5~3	PEACOCK 厚度规 PEACOCK THICKNESS METER	ASTM D374
规格 Specification	根据客户要求 Can be Custom-made	----	ASTM D1204
密度(g/cc) Density	2.5(±0.5)	BS-H 电子天平 BS-H ELECTRONIC BALANCE	ASTM D792
硬度(Shore C) Hardness	50(±5)	LX-C 型微孔材料硬度计 LX-C CELLULAR MATERIAL DUROMETER	ASTM D2240
导热系数(W/m.K) Thermal Conductivity	5.0(±0.5)	Long-Win9389 导热系数测试仪 Long-Win9389 THERMAL CONDUCTIVITY TESTER	ASTM D5470
热阻(°Cin ² /W)(@20psi&1mm) Thermal Resistance	≤ 0.7	DRL-III 导热系数测试仪 DRL-III THERMAL CONDUCTIVITY TESTER	ASTM D5470
体积电阻率(Ω.cm) Volume Resistivity	≥ 10 ⁸	ZC-36 高绝缘电阻测量仪 ZC-36 HIGH DIELECTRIC RESISTANCE TESTER	ASTM D257
压缩比(%@50psi) Compression Ratio	≥ 10	压缩力测试仪 COMPRESSINVE FORCE TESTER	ASTM D575-1991
拉伸强度(Mpa) Tensile Strength	≥ 0.25	拉力试验机 TENSION TESTER	ASTM D412-1998A
延伸率(%) Elongation	≥ 50		
介电常数(@1MHz) Dielectric Constant	≥ 30	WY2851D 数显Q表 WY2851D DIGITAL Q METER	ASTM D150
介质损耗 Dielectric Loss	≤ 0.1		
热失重(%) (120°C,7d) Thermal Gravimetric	≤ 0.2	可编程恒温恒湿试验箱 PROGRAMMABLE CONTANT TEMPERATURE AND HUMIDITY TESTING MACHINE	ASTM E595-2006
使用温度(°C) Operating Temperature	-50~150	可编程冷热冲击箱 PROGRAMMABLE THERMAL SHOCK TESTER	---

性能关系图 Performance Diagram



压缩量与压力关系图
测试产品为H500RS55@3mm, 不同厚度和不同硬度产品会略有差异。
Compress Ratio VS Pressure Diagram
Tested by H500RS55@3mm, diffident thickness and hardness will be slightly affected test results.



热阻与厚度关系图。
Thermal Resistance VS Thickness Diagram.

环保要求 Environmental Request

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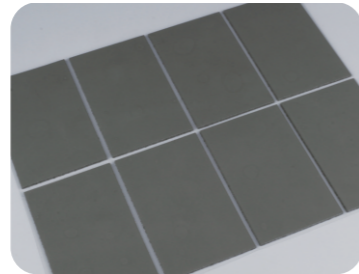
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▶ 2.1.13 H600 系列导热硅胶 H600 Series Conductive Silicone Sheet

产品系列 Series: H600

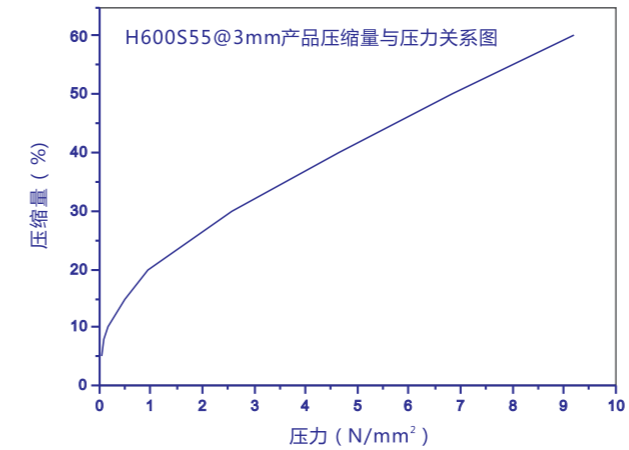
系列颜色 Color: 灰色 / Gray

性能参数 Properties

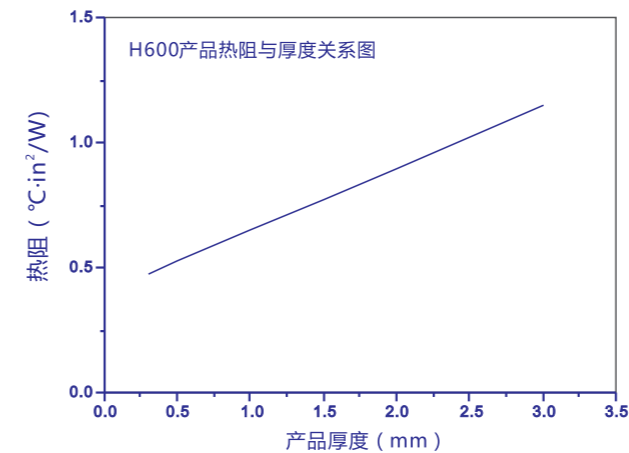


项目 Items	技术指标 Value	检测仪器 Test Instrument	检测标准 Test Method
颜色 Color	灰色 Gray	目视 Visual	—
厚度(mm) Thickness	0.5~3	PEACOCK 厚度规 PEACOCK THICKNESS METER	ASTM D374
规格 Specification	根据客户要求 Can be Custom-made	—	ASTM D1204
密度(g/cc) Density	2.4(±0.5)	BS-H 电子天平 BS-H ELECTRONIC BALANCE	ASTM D792
硬度(Shore C) Hardness	50(±5)	LX-C 型微孔材料硬度计 LX-C CELLULAR MATERIAL DUROMETER	ASTM D2240
导热系数(W/m.K) Thermal Conductivity	6.0(±0.5)	Long-Win9389导热系数测试仪 Long-Win9389 THERMAL CONDUCTIVITY TESTER	ASTM D5470
热阻(°Cin ² /W)(@20psi&1mm) Thermal Resistance	≤0.5	DRL-III 导热系数测试仪 DRL-III THERMAL CONDUCTIVITY TESTER	ASTM D5470
体积电阻率(Ω.cm) Volume Resistivity	≥10 ⁸	ZC-36 高绝缘电阻测量仪 ZC-36 HIGH DIELECTRIC RESISTANCE TESTER	ASTM D257
压缩比(%)(@50psi) Compression Ratio	≥12.8	压缩力测试仪 COMPRESSIVE FORCE TESTER	ASTM D575-1991
拉伸强度 (Mpa) Tensile Strength	≥0.356	拉力试验机 TENSION TESTER	ASTM D412-1998A
延伸率(%) Elongation	≥32.4		
介电常数(@1MHz) Dielectric Constant	≥30	WY2851D 数显Q表 WY2851D DIGITAL Q METER	ASTM D150
介质损耗 Dielectric Loss	≤0.1		
热失重% (120°C,7d) Thermal Gravimetry	≤0.2	可编程恒温恒湿试验箱 PROGRAMMABLE CONTANT TEMPERATURE AND HUMIDITY TESTING MACHINE	ASTM E595-2006
使用温度 (°C) Operating Temperature	-50~150	可编程冷热冲击箱 PROGRAMMABLE THERMAL SHOCK TESTER	—

性能关系图 Performance Diagram



压缩量与压力关系图
测试产品为H600S55@3mm, 不同厚度和不同硬度产品会略有差异。
Compress Ratio VS Pressure Diagram
Tested by H600S55@3mm, diffident thickness and hardness will be slightly affected test results.



热阻与厚度关系图。
Thermal Resistance VS Thickness Diagram.

环保要求 Environmental Request

- 该系列产品符合RoHS、卤素管控标准。 The series of products are in accord with the standards of RoHS and HALOGEN.

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