



产品技术说明书

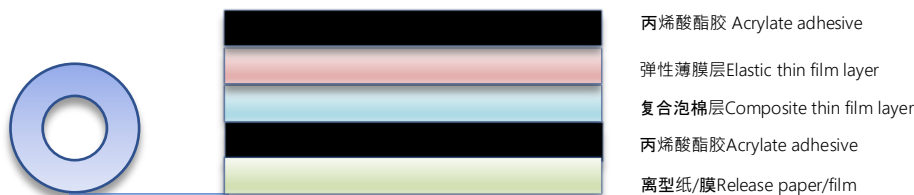
Product technical specification

一. 产品描述 Product Description

P4485B是一款由聚氨酯微孔泡棉、弹性薄膜及黑色压敏胶复合而成的PU泡棉双面胶带。其对金属、ABS、PC及PET等都具有优异的粘接性能，并且在需要返修时易于拆解。

P4485B is a PU foam double-sided tape composed of polyurethane microporous foam, elastic film, and black pressure sensitive adhesive. It has excellent adhesion performance to metals, ABS, PC, PET, and other materials, and is easy to disassemble when repairs are needed.

二. 产品结构 Product structure



丙烯酸酯胶 Acrylate adhesive

弹性薄膜层 Elastic thin film layer

复合泡棉层 Composite thin film layer

丙烯酸酯胶 Acrylate adhesive

离型纸/膜 Release paper/film

三. 主要用途 Main Use

✧ 可用于各行业需要粘接、密封、减震、避光等产品。

It can be used for products in various industries that require bonding, sealing, shock absorption, and light protection.

四. 产品特性 Product Features

➤ 压缩变形低、密封性能好

Low compression deformation and good sealing performance

➤ 耐冲击性好

Good impact resistance

➤ 粘接牢靠

Firmly bonded

➤ 重工性好，需要时易于拆除

Good repeatability, easy to remove when needed

五. 典型性能 Typical performance

项 目 Test items	测试方式 Test method	单位 Unit	P3115A
颜色 Color	目测 Visual inspection	-	黑色 black
胶系 Type of glue	-	-	丙烯酸酯 Acrylate adhesive
基材 Base material	-	-	PU
总厚度 Total thickness	ASTM D-3652	mm	0.85
剥离强度 (钢板, 20min) Peel strength (SUS, 20min) (180°)	ASTM D-3330	N/inch	10
剥离强度 (PC板, 20min) Peel strength (PC, 20min) (180°)	ASTM D-3330	N/inch	10
剥离强度 (玻璃板, 20min) Peel (Glass, 20min) strength (180°)	ASTM D-3330	N/inch	10
常温保持力 Room temperature retention	PSTC-7	h	≥500
初粘力 (滚球) Initial adhesion force (Rolling ball)	GB/T4852-2002	球 steel ball	3# (PET面) /15# (TPU面)
25%压缩应力 (25% compressive stress)	ASTM D3574	Kgf/cm ²	0.2
动态剪切力 (Dynamic shear force)	ASTM D1002	Kgf/6.25cm ²	17
泡棉密度 (Foam density)	g/cm ³	ASTM D3574	0.32
遮光效果 (Shading effect)	%	/	100
长期耐温性 Long term temperature resistance	GB/T 4851-2014	°C	-25~85

六. 产品规格 Product specifications

➤ 1020mm*50m

➤ 或其他定制

Other customization

七. 储存及保质期 Storage and shelf life

建议存放在清洁干燥的地方，防止包装破损，避免与挥发性溶剂放在一起。存储温度为4 ~ 26°C，湿度为40 ~ 50%。

It is recommended to store them in a clean and dry place to prevent package damage and volatile solvents. The storage temperature is 4~26 °C, and the humidity is 40~50%.

为保持最佳性能，本品应在生产之日起6个月内使用。

To maintain the best performance, this product should be used within 6months from the date of production.

八. 声明 Statement

上述测试结果仅为典型值，并非保证值。如果有新的认识和新的经验出现，优三会相应修改此资料，且不再另行通知。优三强烈推荐客户在使用产品前进行独立的测试，以了解产品的适用性。

The above test results are only typical values, not guaranteed values. In case of new knowledge and experience, Yousan will modify this information accordingly without further notice. Yousan strongly recommends that customers conduct independent tests before using the product to understand the applicability of the product.



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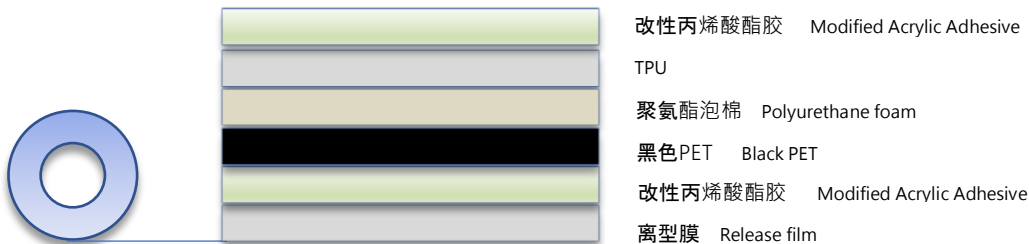
Product technical specification

一. 产品描述 Product Description

P4486B 封屏胶带是一款由聚氨酯（PU）发泡体材料为基材，两面复合 PET/TPU 材料，涂布改性丙烯酸胶粘剂，再贴合离型膜而且制成的封屏胶带。

P4486B screen-sealing tape is made from a polyurethane (PU) foam material as the base, laminated on both sides with PET/TPU materials, coated with a modified acrylic adhesive, and then combined with a release liner to form the screen-sealing tape.

二. 产品结构 Product structure



三. 主要用途 Main Use

- ✧ 背光模组用于电子设备的固定和缓冲；

The backlight module is used for securing and cushioning electronic devices.

- ✧ 显示器屏幕与壳体粘接；

The monitor screen is bonded to the casing.

- ✧ 汽车制造、建筑工程、医疗、体育器材、航空航天等领域；

Automobile manufacturing, construction engineering, medical care, sports equipment, aerospace, and other fields;

四. 产品特性 Product Features

- 优良的压缩性和高回弹性

Excellent compressibility and high resilience

➤ 密度低且保温性好

Low density and good insulation

➤ 优秀的耐腐蚀、耐老化、绝缘性

Excellent corrosion resistance, aging resistance, and insulation

五. 典型性能 Typical performance

项目 Test items	典型值 Typical value	单位 Unit	测试方式 Test method
颜色 color	黑色 Black	-	目测 Visual inspection
胶系 Type of glue	改性丙烯酸酯胶 Modified Acrylic Adhesive	-	-
基材 Base material	聚氨酯泡棉 Polyurethane foam	-	-
复合材料 Composite material	PET/TPU	-	-
离型材料 Release material	离型膜 Release film	-	-
基材厚度 Substrate thickness	0.75±10%	mm	ASTM D-3652
总厚度 Total thickness	0.86±10%	mm	ASTM D-3652
180° 剥离力 (PC) 30min 180° Peel Strength (PC) 30min	≥1300	gf/inch	GB/T 2792
180° 剥离力 (SUS304) 72h 180° Peel Strength (SUS304) 72h	≥1500	gf/inch	GB/T 2792
180° 剥离力 (PC) 72h 180° Peel Strength (PC) 72h	≥1500	gf/inch	GB/T 2792
高温高湿保持力 High temperature and high humidity retention (hour/2.5kg) 60°/75%RH	≥24	h	GB/T 4851
动态剪切强度 Dynamic shear strength	≥18	kgf/inch	GB/T33332
耐候性 Weather resistance	-30~80	°C	-

六. 产品规格 Product specifications

➤ 520/1040mm*25/50m

➤ 或其他定制

Other customization

七. 储存及保质期 Storage and shelf life

建议存放在清洁干燥的地方**避免阳光直射，防止包装破损，避免与挥发性溶剂放在一起。**存储温度为 $25\pm 10^{\circ}\text{C}$ ，湿度为40 ~ 65%。

It is recommended to store in a clean, dry place, avoiding direct sunlight, preventing packaging damage, and keeping it away from volatile solvents. Storage temperature should be $25\pm 10^{\circ}\text{C}$, with humidity at 40 - 65%.

为保持最佳性能，**本品应在生产之日起12个月内使用。**

To maintain the best performance, this product should be used within 12months from the date of production.



产品技术说明书

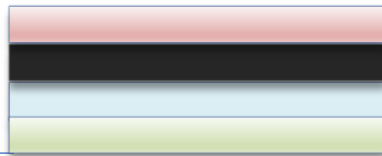
Product technical specification

一. 产品描述 Product Description

P5220是一款由聚氨酯微孔泡棉、黑色PET及丙烯酸酯压敏胶复合在复合在离型膜制作而成的PU泡棉。自带胶的特殊设计使得加工效率更高，损耗更低。其对金属、塑料粘着力高。

P5220 is a PU foam made of polyurethane microcellular foam, black PET and acrylic pressure-sensitive adhesive compounded with release film. The special design of the self-adhesive makes the processing efficiency higher and the loss lower. It has high adhesion to metal and plastic.

二. 产品结构 Product structure



低密度聚氨酯 (PU) Low density polyurethane (PU)

黑色PET Black PET

丙烯酸酯 Acrylic ester

透明离型膜 Transparent release film

三. 主要用途 Main Use

✧ 适用于显示后方的缓冲保护。

Applicable to display rear buffer protection.

✧ PCB下周边：吸收冲击、吸收震动、填补间隙、隔热效果。LED周围：防止漏光、吸收冲击、提高气密性。

PCB under the periphery: absorb shock, absorb vibration, fill the gap, heat insulation effect. LED around: prevent light leakage, absorb shock, improve air tightness.

✧ 键盘垫片：反弹性、无污染、尺寸稳定性好。

Keyboard pad: rebound, non-pollution, good dimensional stability.

四. 产品特性 Product Features

- 采用低密度设计，同样厚度更加柔软、受到外部活动能量冲击时有缓慢回弹的效果。

Low density design, the same thickness is softer, and has a slow bounce effect when impacted by external dynamic energy.

- 具有优秀的遮光效果；

Excellent shading effect;

- 自带胶的特殊设计使得加工效率更高，损耗更低；

The special design of the self-adhesive makes the processing efficiency higher and the loss lower;

- 采用对金属、塑料粘着力高的综合性胶粘剂设计；可以根据客户的不同需求进行定制化开发。

It adopts a comprehensive adhesive with high adhesion to metal and plastic. It can be customized according to different needs of customers.

五. 典型性能 Typical performance

项目 Test items	典型值 Typical value	单位 Unit	测试方式 Test method
颜色 color	黑 Black	-	目测 Visual inspection
胶系 Type of glue	丙烯酸酯 Acrylic ester	-	-
基材 Base material	PU	-	-
厚度 Thickness	0.2	mm	ASTM D-3652
密度 density	0.25	mm	ASTM D3574
压缩量 mm50% at 70°C Compression set	< 15	%	ASTM D3574
25°C. F. D	22 (6-70)	kpa	ASTM D3574
粘着力 adhesive force	600	gf/25mm	JIS Z0237-2000
滚球初粘力 Initial viscosity of rolling ball	5	mm	GB/T4852-2002

剥离膜剥离性 Peelability of peeling film	10	gf/50mm	(23°C 65%RH 环境, 对 50mm 宽的剥离纸与胶层做 T 型剥离 23 °C 65% RH environment, 50mm T-shaped peeling with wide peeling paper and glue layer)
ROSH, Halogen free	PASS	-	-

六. 产品规格 Product specifications

- 1020mm*50m
- 或其他定制

Other customization

七. 储存及保质期 Storage and shelf life

建议存放在清洁干燥的地方，避免日光直射、高温（40 °C 以上）、高湿（70%RH 以上）等条件下放置。

It is recommended to store in a clean and dry place, avoid direct sunlight, high temperature (above 40 ° C), high humidity (above 70% RH) and other conditions.

为保持最佳性能，本产品保存期为纳入后半年。

In order to maintain optimal performance, the shelf life of this product is six months after incorporation.



产品技术说明书

Product technical specification

一. 产品描述 Product Description

P5230是一款由聚氨酯微孔泡棉、黑色PET及丙烯酸酯压敏胶复合在复合在离型膜制作而成的PU泡棉。自带胶的特殊设计使得加工效率更高，损耗更低。其对金属、塑料粘着力高。

P5230 is a PU foam made of polyurethane microcellular foam, black PET and acrylic pressure-sensitive adhesive compounded with release film. The special design of the self-adhesive makes the processing efficiency higher and the loss lower. It has high adhesion to metal and plastic.

二. 产品结构 Product structure



三. 主要用途 Main Use

✧ 适用于显示后方的缓冲保护。

Applicable to display rear buffer protection.

✧ PCB下周边：吸收冲击、吸收震动、填补间隙、隔热效果。LED周围：防止漏光、吸收冲击、提高气密性。

PCB under the periphery: absorb shock, absorb vibration, fill the gap, heat insulation effect. LED around: prevent light leakage, absorb shock, improve air tightness.

✧ 键盘垫片：反弹性、无污染、尺寸稳定性好。

Keyboard pad: rebound, non-pollution, good dimensional stability.

四. 产品特性 Product Features

- 采用低密度设计，同样厚度更加柔软、受到外部活动能量冲击时有缓慢回弹的效果。

Low density design, the same thickness is softer, and has a slow bounce effect when impacted by external dynamic energy.

- 具有优秀的遮光效果；

Excellent shading effect;

- 自带胶的特殊设计使得加工效率更高，损耗更低；

The special design of the self-adhesive makes the processing efficiency higher and the loss lower;

- 采用对金属、塑料粘着力高的综合性胶粘剂设计；可以根据客户的不同需求进行定制化开发。

It adopts a comprehensive adhesive with high adhesion to metal and plastic. It can be customized according to different needs of customers.

五. 典型性能 Typical performance

项目 Test items	典型值 Typical value	单位 Unit	测试方式 Test method
颜色 color	黑 Black	-	目测 Visual inspection
胶系 Type of glue	丙烯酸酯 Acrylic ester	-	-
基材 Base material	PU	-	-
厚度 Thickness	0.3	mm	ASTM D-3652
密度 density	0.25	mm	ASTM D3574
压缩量 mm50% at 70°C Compression set	< 15	%	ASTM D3574
25% C. F. D	8 (3-56)	kpa	ASTM D3574
粘着力 adhesive force	600	gf/25mm	JIS Z0237-2000
滚球初粘力 Initial viscosity of rolling ball	5	mm	GB/T4852-2002

剥离膜剥离性 Peelability of peeling film	10	gf/50mm	(23°C 65%RH 环境, 对 50mm 宽的剥离纸与胶层做 T 型剥离 23 °C, 65% RH environment, 50mm T-shaped peeling with wide peeling paper and glue layer)
ROSH, Halogen free	PASS	-	-

六. 产品规格 Product specifications

➤ 1020mm*50m

➤ 或其他定制

Other customization

七. 储存及保质期 Storage and shelf life

建议存放在清洁干燥的地方，避免日光直射、高温（40 · C 以上）、高湿（70%RH 以上）等条件下放置。

It is recommended to store in a clean and dry place, avoid direct sunlight, high temperature (above 40 ° C), high humidity (above 70% RH) and other conditions.

为保持最佳性能，本产品保存期为纳入后半年。

In order to maintain optimal performance, the shelf life of this product is six months after incorporation.



产品技术说明书

Product technical specification

一. 产品描述 Product Description

P44126B 封屏胶带是一款由聚氨酯（PU）发泡体材料为基材，两面复合 PET/TPU 材料，涂布改性丙烯酸胶粘剂，再贴合离型膜而且制成的封屏胶带。

P44126B screen-sealing tape is made from a polyurethane (PU) foam material as the base, laminated on both sides with PET/TPU materials, coated with a modified acrylic adhesive, and then combined with a release liner to form the screen-sealing tape.

二. 产品结构 Product structure



三. 主要用途 Main Use

- ◇ 背光模组用于电子设备的固定和缓冲；

The backlight module is used for securing and cushioning electronic devices.

- ◇ 显示器屏幕与壳体粘接；

The monitor screen is bonded to the casing.

- ◇ 汽车制造、建筑工程、医疗、体育器材、航空航天等领域；

Automobile manufacturing, construction engineering, medical care, sports equipment, aerospace, and other fields;

四. 产品特性 Product Features

- 优良的压缩性和高回弹性

Excellent compressibility and high resilience

➤ 密度低且保温性好

Low density and good insulation

➤ 优秀的耐腐蚀、耐老化、绝缘性

Excellent corrosion resistance, aging resistance, and insulation

五. 典型性能 Typical performance

项目 Test items	典型值 Typical value	单位 Unit	测试方式 Test method
颜色 color	黑色 Black	-	目测 Visual inspection
胶系 Type of glue	改性丙烯酸酯胶 Modified Acrylic Adhesive	-	-
基材 Base material	聚氨酯泡棉 Polyurethane foam	-	-
复合材料 Composite material	PET/TPU	-	-
离型材料 Release material	离型膜 Release film	-	-
基材厚度 Substrate thickness	1.1±10%	mm	ASTM D-3652
总厚度 Total thickness	1.26±10%	mm	ASTM D-3652
PET 面 180° 剥离力 PET Surface 180° Peel Strength (20min)	≥1600	gf/inch	GB/T 2792
PET 面 180° 剥离力 PET Surface 180° Peel Strength (24H)	≥2000	gf/inch	GB/T 2792
高温高湿保持力 High temperature and high humidity retention (hour/2.5kg) 60°/75%RH	≥24	h	GB/T 4851
动态剪切强度 Dynamic shear strength	≥18	kgf/inch	GB/T33332
泡棉 25%压缩应力 (25%CFD) Foam 25% Compression Stress	0.025	Map	ASTM D1667
耐候性 Weather resistance	-20~85	°C	-

六. 产品规格 Product specifications

➤ 520/1040mm*25/50m

➤ 或其他定制

Other customization

七. 储存及保质期 Storage and shelf life

建议存放在清洁干燥的地方**避免阳光直射，防止包装破损，避免与挥发性溶剂放在一起。**存储温度为 $25\pm 10^{\circ}\text{C}$ ，湿度为40 ~ 65%。

It is recommended to store in a clean, dry place, avoiding direct sunlight, preventing packaging damage, and keeping it away from volatile solvents. Storage temperature should be $25\pm 10^{\circ}\text{C}$, with humidity at 40 - 65%.

为保持最佳性能，**本品应在生产之日起12个月内使用。**

To maintain the best performance, this product should be used within 12months from the date of production.



产品技术说明书

Product technical specification

一. 产品描述 Product Description

P52120 PU泡棉是以聚氨酯为主要成分，经过物理发泡，使用低密度配方加特殊表面处理技术，达到既有良好的密封防震性能又兼具耐刮擦效果的功能性泡棉。

P52120 PU foam is a functional foam composed primarily of polyurethane. Through physical foaming, a low-density formula, and specific surface treatment technology, it achieves both excellent seismic and sealing performance as well as scratch-resistant effects.

二. 产品结构 Product structure



低密度聚氨酯 (PU) Low density polyurethane (PU)

黑色PET Black PET

三. 主要用途 Main Use

✧ 适用于显示后方的缓冲保护。

Applicable to display rear buffer protection.

✧ PCB下周边：吸收冲击、吸收震动、填补间隙、隔热效果。 LED周围：防止漏光、吸收冲击、提高气密性。

PCB under the periphery: absorb shock, absorb vibration, fill the gap, heat insulation effect. LED around: prevent light leakage, absorb shock, improve air tightness.

✧ 键盘垫片：反弹性、无污染、尺寸稳定性好。

Keyboard pad: rebound, non-pollution, good dimensional stability.

四. 产品特性 Product Features

- 采用低密度设计，同样厚度更加柔软、受到外部活动能量冲击时有缓慢回弹的效果。

Low density design, the same thickness is softer, and has a slow bounce effect when impacted by external dynamic energy.

- 具有优秀的遮光效果；

Excellent shading effect;

五. 典型性能 Typical performance

项目 Test items	典型值 Typical value	单位 Unit	测试方式 Test method
颜色 color	黑 Black	-	目测 Visual inspection
胶系 Type of glue	丙烯酸酯 Acrylic ester	-	-
基材 Base material	PU	-	-
厚度 Thickness	1.2	mm	ASTM D-3652
密度 density	0.35	mm	ASTM D3574
压缩量 mm50% at 70°C Compression set	< 8	%	ASTM D3574
25°C. F. D	22.8(5-75)	kpa	ASTM D3574
最大压缩比 Maximum compression ration	0-70	%	ASTM D3574

六. 产品规格 Product specifications

- 520mm*50m

- 或其他定制

Other customization

七. 储存及保质期 Storage and shelf life

建议存放在清洁干燥的地方，避免日光直射、高温（40·C 以上）、高湿（70%RH 以上）

等条件下放置。

It is recommended to store in a clean and dry place, avoid direct sunlight, high temperature (above 40 ° C), high humidity (above 70% RH) and other conditions.

为保持最佳性能，本产品保存期为纳入后半年。

In order to maintain optimal performance, the shelf life of this product is six months after incorporation.