

 **SAKURAI CO., LTD.**



A CLEAN BREAKTHROUGH!

STACLEAN

<http://www.sakurai.co.jp>

EX-CLEAN Paper

Sakurai's **STACLEAN clean paper**, used for over **20 years** in clean rooms, has a worldwide reputation in electronics and other industries for **top-quality** clean paper. Sakurai is pleased to introduce **EX-CLEAN**, a new **low-priced**, high-quality clean paper designed for use in a variety of **laser printers** and **PPC copiers**.

SAKURAI 的STACLEAN 无尘纸 20多年来、一直提供给无尘车间使用、在电子以及其他使用高质量无尘纸的产业领域赢得了极高的声誉。

SAKURAI 高兴地向您介绍我们的新产品EX-CLEAN纸、它是价格低廉而高质量的无尘纸、可以适用于不同种类的激光打印机和PPC复印机。

SAKURAI 商社的STACLEAN 無塵紙產品、20多年來、一直提供給無塵室相關產業界使用、在電子以及其他使用高品質無塵紙的產業領域中、贏得了使用客戶極高的評價。

SAKURAI 商社非常高興地、將向您介紹我們的新產品EX-CLEAN 無塵紙產品、它的價格不高但是也屬於高品質的無塵紙產品、可以適用於不同種類的雷射/噴墨印表機和PPC 複印機。



3 STACLEAN IJ



STACLEAN IJ

▶ A dust-free paper exclusively for inkjet printers, supporting clear text output and monochrome/full-color printing.

STACLEAN IJ

▶ 油墨打印机专用无尘纸。印字鲜明、可对应黑白和彩色打印。

STACLEAN IJ

▶ 油墨打印機專用無塵紙。印字鮮明、可對應黑白和彩色打印。

4 Binders



Binders

▶ The clean binders of choice for organizing manuals, data and other materials.

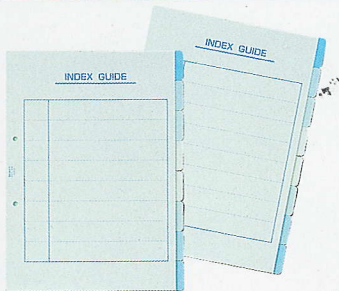
文档夹

▶ 透明文件夹可以有条理地整理各种手册、数据和资料。

檔案夾

▶ 文件檔案夾可以有條理地整理各種手冊、數據和資料。

5 Index cards



Index cards

▶ The best index cards for use with your STACLEAN binders.

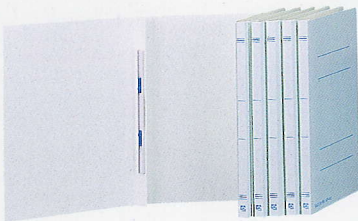
目录卡

▶ 可以与文件夹一起配套使用、是最方便的目录卡。

目錄卡

▶ 可以與文件夾一起配套使用、是最方便的目錄卡。

6 Files



Files

▶ Files that make organizing various materials easy.

文件夹

▶ 文件可以简单地整理各种资料。

●文件夾

▶ 可以簡單地整理各種文件資料及分類細目。可搭配目錄卡使用。

7 Tack memos



Tack memos

▶ Dust-free 64g/m² paper memos with a light adhesive on the upper portion for pasting on virtually anything.
▶ Peel off cleanly, without leaving any adhesive residue.

粘贴记录纸

▶ 64g/m²无尘记录纸、上部带有弱微的粘性、随时可以粘贴。
▶ 不用时撕下来后、不会留有任何痕迹。

無塵利可貼

▶ 64g/m²無塵標籤紙、上層帶有弱微的粘性、隨時可以再粘貼使用。
▶ 不使用時、撕除下來、不會有任何殘膠。

8 Tag tacks



Tag tacks

- ▶ Tag tacks backed by dust-free paper.
- ▶ The best way of classifying items by color in the clean room.

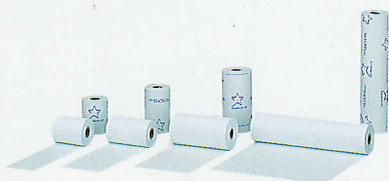
粘条

- ▶ 粘条可以用作无尘纸的标志用。
- ▶ 彩色粘条最适用于无尘室内文件资料分项用。

付箋

- ▶ 粘條可以用作無塵紙的標誌用。
- ▶ 彩色粘條最適用於無菌室內文件資料分項用。

9 Thermal paper



Thermal paper

- ▶ The best dust-free thermal paper - available in a wide range of standard sizes and other sizes.

感热纸

- ▶ 最佳的无尘感热纸、并且对应各种尺寸和型号。

感熱紙

- ▶ 最佳的無塵感熱應紙、並且對應各種尺寸和型號。

10 STACLEAN PROTEC (Clean Drying Agent)



STACLEAN PROTEC (Clean Drying Agent)

- ▶ A dust-free desiccating agent employing STACLEAN Neutral Paper as the bag material.
- ▶ STACLEAN PROTEC protects package boards from moisture and discoloration.
- ▶ Dries effectively without dust generation by either the contents or the bag.
- ▶ Much greater resistance to electrical charging than conventional bags such as polypropylene and non-woven fabrics.

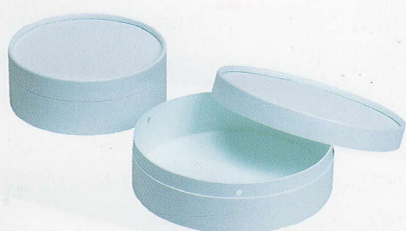
无尘纸干燥剂 (清洁、干燥、指向性强)

- ▶ 使用STACLEAN 中性纸。可以保护电路板防止潮湿、或变色等。
- ▶ 防治干燥剂或者包装产生的灰尘、发挥干燥效果。
- ▶ 与历来的PP或者不织布干燥剂产品袋材料相比较、具有优异的防静电效果。

無塵紙乾燥劑 (清潔、乾燥、指向性強)

- ▶ 使用 STACLEAN 中性紙。可以保護電路板防止潮濕或變色等。
- ▶ 防制乾燥劑或者包裝產生的灰塵、發揮乾燥效果。
- ▶ 與常使用的PP 或者不織布乾燥劑產品袋材料相比較、具有優異的防靜電效果。

11 Wafer boxes



Wafer boxes

- ▶ Guaranteed high-quality boxes, the low-priced answer for carrying and storing semiconductor wafers.
- ▶ Custom-made cushioning materials and separators available on request.

晶片盒

- ▶ 保证高质量、价格合理、适用于运送和保管半导体晶片等。
- ▶ 根据顾客需要、备有各种专用缓冲材料和垫片等。

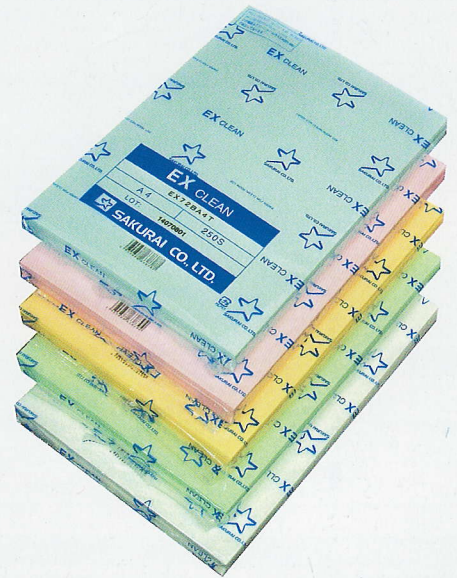
晶片盒

- ▶ 保證高品質、價格合理、適用於運送和保管半導體晶片等。
- ▶ 根據顧客需要、備有各種專用緩衝材料和墊片等。

1 EX-CLEAN PPC Type and Standard (PPC 72g/m²)

EX-CLEAN features

- ▶ Can be used in industrial clean rooms
- ▶ Smooth feeding and superior toner adherence in laser printers and PPC copiers
- ▶ Excellent printability for work schedules and log sheets
- ▶ Clear writing with pens
- ▶ Minimum dust particle generation if crumpled, rubbed or torn
- ▶ Very reasonable price



EX-CLEAN 紙的特征

- ▶ 适用于工业无尘车间
- ▶ 用在激光打印机和PPC复印机上、送纸圆滑、油墨粘着性高
- ▶ 优异的打印性能、用于打印工作日程和记录等
- ▶ 钢笔书写清晰
- ▶ 褶皱、摩擦、揉搓时、极少产生灰尘
- ▶ 价格合理

EX-CLEAN 無塵紙的特徵

- ▶ 適用於無塵室相關產業界
- ▶ 用在雷射/噴墨印表機和PPC 複印機上、送紙圓滑、油墨粘著性高
- ▶ 優異的打印性能、用於打印工作日程和記錄等
- ▶ 書寫清晰
- ▶ 摺疊、摩擦、揉搓時、極少產生灰塵
- ▶ 價格合理

2 EX-CLEAN Notebooks

EX-CLEAN Notebooks Type and Standard

- ▶ Dust-free resin-impregnated paper capable of 100% dissolution, permitting collection for recycling after use, like conventional PPC

EX-CLEAN 笔记本 型号和标准

- ▶ 经过100%溶解树脂浸泡的无尘纸。与以往的PPC 相同、使用后可以回收再利用。

EX-CLEAN 筆記本 型號和標準

- ▶ 無塵紙使用後可經過100%溶解樹脂浸泡後、可以回收再利用、與以往的PPC 相同品質、符合環保概念。



說明	產品編碼	尺寸	單位
1 EX-CLEAN PPC型号和标准 (PPC 72g/m²)			
藍色	EX72BA4T	A4	250張/包×10包/箱
粉色	EX72PA4T	A4	250張/包×10包/箱
黃色	EX72YA4T	A4	250張/包×10包/箱
綠色	EX72GA4T	A4	250張/包×10包/箱
白色	EX72WA4T	A4	250張/包×10包/箱
藍色	EX72BA3	A3	250張/包×5包/箱
粉色	EX72PA3	A3	250張/包×5包/箱
黃色	EX72YA3	A3	250張/包×5包/箱
綠色	EX72GA3	A3	250張/包×5包/箱
白色	EX72WA3	A3	250張/包×5包/箱

2 EX-CLEAN 笔记本			
EX-CLEAN 笔记本	SENA412	A4	1包 (20張/10本)
	SENA512	A5	1包 (20張/10本)

3 STACLEAN IJ			
STACLEAN IJ	SCIJ04	A4	1箱 (50×10)

4 文档夹			
文档夹	SCBA44	A4厚寬40mm	1箱 (2个文档夹×3包)
	SCBA47	A4厚寬70mm	1箱 (2个文档夹×3包)

5 目录卡			
目录卡	SCIDA4	A4 (雙孔型)	1箱 (10張×20)

6 文件夹			
文件夹	SCFA4	A4厚寬15mm	1箱 (20个文件夹)

說明	產品編碼	尺寸	單位
7 粘貼記錄紙			
粘貼記錄紙	SCT50	72×105mm	1箱 (50張/本, 30本)

8 粘条			
粘条	SCFTR	25×75mm 紅色	1箱 (50張/2條/30本)
	SCFTY	25×75mm 黃色	1箱 (50張/2條/30本)
	SCFTG	25×75mm 綠色	1箱 (50張/2條/30本)
	SCFTB	25×75mm 藍色	1箱 (50張/2條/30本)

9 感熱紙			
感熱紙	SCS057N	57mm×25m	1箱 (40卷)
	SCS060N	60mm×25m	1箱 (40卷)
	SCS112N	112mm×35m	1箱 (20卷)
	SCS216N	216mm×30m	1箱 (20卷)
	SCS5815N	58mm×15m	1箱 (40卷)
	SCS080N	80mm×25m	1箱 (40卷)
	SCS110N	110mm×35m	1箱 (20卷)

10 无尘紙干燥剂			
无尘紙干燥剂	PRO5		1箱 (5g×4包×250張)

11 晶片盒			
晶片盒	SCBOX5	内部容積130mm×1個 实际高度53mm	1箱 (10种×5)
	SCBOX6	内部容積155mm×1個 实际高度53mm	1箱 (10种×5)

說明	產品編碼	尺寸	單位
1 EX-CLEAN PPC 型号和标准 (PPC 72g/m²)			
藍色	EX72BA4T	A4	250張/包×10包/箱
粉色	EX72PA4T	A4	250張/包×10包/箱
黃色	EX72YA4T	A4	250張/包×10包/箱
綠色	EX72GA4T	A4	250張/包×10包/箱
白色	EX72WA4T	A4	250張/包×10包/箱
藍色	EX72BA3	A3	250張/包×5包/箱
粉色	EX72PA3	A3	250張/包×5包/箱
黃色	EX72YA3	A3	250張/包×5包/箱
綠色	EX72GA3	A3	250張/包×5包/箱
白色	EX72WA3	A3	250張/包×5包/箱

2 EX-CLEAN 笔记本			
EX-CLEAN 笔记本	SENA412	A4	1包 (20張/10本)
	SENA512	A5	1包 (20張/10本)

3 STACLEAN IJ			
STACLEAN IJ	SCIJ04	A4	1箱 (50×10)

4 檔案夾			
檔案夾	SCBA44	A4背寬40mm	1箱 (2個/包×3包)
	SCBA47	A4背寬70mm	1箱 (2個/包×3包)

5 目錄卡			
目錄卡	SCIDA4	A4 (雙孔型)	1箱 (10張/組×20組)

6 文件夹			
文件夹	SCFA4	A4背寬15mm	1箱 (20個文件夹)

說明	產品編碼	尺寸	單位
7 無塵利可貼			
無塵利可貼	SCT50	72×105mm	1盒 (50張/本, 30本入)

8 付簽			
付簽	SCFTR	25×75mm 紅色	1盒 (50張/2條/30本)
	SCFTY	25×75mm 黃色	1盒 (50張/2條/30本)
	SCFTG	25×75mm 綠色	1盒 (50張/2條/30本)
	SCFTB	25×75mm 藍色	1盒 (50張/2條/30本)

9 感熱紙			
感熱紙	SCS057N	57mm×25m	1箱 (40卷入)
	SCS060N	60mm×25m	1箱 (40卷入)
	SCS112N	112mm×35m	1箱 (20卷入)
	SCS216N	216mm×30m	1箱 (20卷入)
	SCS5815N	58mm×15m	1箱 (40卷入)
	SCS080N	80mm×25m	1箱 (40卷入)
	SCS110N	110mm×35m	1箱 (20卷入)

10 無塵紙干燥剂			
無塵紙干燥剂	PRO5		1箱 (5g×4包×250張)

11 晶片盒			
晶片盒	SCBOX5	内部尺寸130mm×1個 实际高度53mm	1箱 (10個/包×5包)
	SCBOX6	内部尺寸155mm×1個 实际高度53mm	1箱 (10個/包×5包)

Description	Product Code	Size	Unit
1 EX-CLEAN PPC Type and Standard (PPC 72g/m²)			
Blue	EX72BA4T	A4	250 sheets/pack×10 packs/carton
Pink	EX72PA4T	A4	250 sheets/pack×10 packs/carton
Yellow	EX72YA4T	A4	250 sheets/pack×10 packs/carton
Green	EX72GA4T	A4	250 sheets/pack×10 packs/carton
White	EX72WA4T	A4	250 sheets/pack×10 packs/carton
Blue	EX72BA3	A3	250 sheets/pack×5 packs/carton
Pink	EX72PA3	A3	250 sheets/pack×5 packs/carton
Yellow	EX72YA3	A3	250 sheets/pack×5 packs/carton
Green	EX72GA3	A3	250 sheets/pack×5 packs/carton
White	EX72WA3	A3	250 sheets/pack×5 packs/carton

2 EX-CLEAN Notebooks			
EX-CLEAN Notebooks	SENA412	A4	1 package (20 bound sheets/10 notebooks)
	SENA512	A5	1 package (20 bound sheets/10 notebooks)

3 STACLEAN IJ			
STACLEAN IJ	SCIJ04	A4	1 case (50sheets/pack×10packs/carton)

4 Binders			
Binders	SCBA44	A4 back width 40mm	1 case (2 binders×3 packages)
	SCBA47	A4 back width 70mm	1 case (2 binders×3 packages)

5 Index cards			
Index cards	SCIDA4	A4 (2-hole type)	1 case (10 sheet sets×20)

6 Files			
Files	SCFA4	A4back width 15mm	1 package (20 files)

Description	Product Code	Size	Unit
7 Tack memos			
Tack memos	SCT50	72×105mm	1 case (50 bound sheets×30sets)
8 Tag tacks			
Tag tacks	SCFTR	25×75mm red	1 package (50 bound sheets/2 rows/30 sets)
	SCFTY	25×75mm yellow	1 package (50 bound sheets/2 rows/30 sets)
	SCFTG	25×75mm green	1 package (50 bound sheets/2 rows/30 sets)
	SCFTB	25×75mm blue	1 package (50 bound sheets/2 rows/30 sets)

9 Thermal paper			
Thermal paper	SCS057N	57mm×25m	1 case (40 sets)
	SCS060N	60mm×25m	1 case (40 sets)
	SCS112N	112mm×35m	1 case (20 sets)
	SCS216N	216mm×30m	1 case (20 sets)
	SCS5815N	58mm×15m	1 case (40 sets)
	SCS080N	80mm×25m	1 case (40 sets)
	SCS110N	110mm×35m	1 case (20 sets)

10 STACLEAN PROTEC			
Protec	PRO5		1 case (5g×4 packs×250 sheets)

11 Wafer boxes			
Wafer boxes	SCBOX5	Inside diameter 130mm × effective height 53mm	1carton (10 items×5)
	SCBOX6	Inside diameter 155mm × effective height 53mm	1carton (10 items×5)

Dust-Generation Measurement Tests

Rubbing Test

An A5 test sheet is rubbed in the hands once every 15 seconds for 200 seconds.

Friction Test

Two A5 test sheets are placed front surface to back surface and rubbed together (torn one place every 5seconds three times.) once every 10 seconds for 200 seconds.

Tearing and Rubbing Test

An A5 test sheet is torn in four places at 4cm intervals and rubbed for 180 seconds in the same way as in the rubbing test.

EX-CLEAN Test Data Sheet

Test Attributes		EX-CLEAN 72B	
Weight		g/m ²	71.3
Thickness		mm/100	9.2
Dust Generation 0.1µm	Rubbing	pcs/cf	89
	Crumpling		45
	Tearing & Crumpling		49
Dust Generation 0.3µm	Rubbing	pcs/cf	0
	Crumpling		0
	Tearing & Crumpling		0

EX-CLEAN Static Decay Time

Sampling Method: Sample 4 patches each from 3 different sheets, 2 patches from a short side and 2 patches from a long side of a sheet.

Unit: Second

		Face	Wire
Sheet 1	1	22.0	28.0
	2	63.4	41.2
	3	26.2	63.0
	4	79.8	55.6
	Average	47.9	47.0
Sheet 1	1	45.0	48.0
	2	54.2	54.8
	3	86.4	52.0
	4	66.6	59.2
	Average	63.1	53.5
Sheet 3	1	60.4	48.4
	2	59.6	53.4
	3	73.4	73.4
	4	71.4	48.0
	Average	66.2	55.8
Average of all samples		59.0	52.1

Charged Voltage: 10KV/30 second

Measurement Equipment: SHISHIDO STATIC HONESTMETER TYPE S-5109

1 EX-CLEAN PPC Type and Standard (PPC 72g/m²)

EX-CLEAN features

- ▶ Can be used in industrial clean rooms
- ▶ Smooth feeding and superior toner adherence in laser printers and PPC copiers
- ▶ Excellent printability for work schedules and log sheets
- ▶ Clear writing with pens
- ▶ Minimum dust particle generation if crumpled, rubbed or torn
- ▶ Very reasonable price



EX-CLEAN 纸的特征

- ▶ 适用于工业无尘车间
- ▶ 用在激光打印机和PPC复印机上、送纸圆滑、油墨粘着性高
- ▶ 优异的打印性能、用于打印工作日程和记录等
- ▶ 钢笔书写清晰
- ▶ 褶皱、摩擦、揉搓时、极少产生灰尘
- ▶ 价格合理

EX-CLEAN 無塵紙的特徵

- ▶ 適用於無塵室相關產業界
- ▶ 用在雷射/噴墨印表機和PPC 複印機上、送紙圓滑、油墨粘著性高
- ▶ 優異的打印性能、用於打印工作日程和記錄等
- ▶ 書寫清晰
- ▶ 摺疊、摩擦、揉搓時、極少產生灰塵
- ▶ 價格合理

2 EX-CLEAN Notebooks

EX-CLEAN Notebooks Type and Standard

- ▶ Dust-free resin-impregnated paper capable of 100% dissolution, permitting collection for recycling after use, like conventional PPC

EX-CLEAN 笔记本 型号和标准

- ▶ 经过100%溶解树脂浸泡的无尘纸。与以往的PPC 相同、使用后可以进行回收再利用。

EX-CLEAN 筆記本 型號和標準

- ▶ 無塵紙使用後可經過100%溶解樹脂浸泡後、可以回收再利用、與以往的PPC 相同品質、符合環保概念。

