L37-3
THERMAL CONDUCTIVE PAD

Feature

- Good thermal conductivity
- Ultra Soft and high compressibility
- Natural tack
- Easy to assembly
- Available to apply adhesive
- Pre-cut for different shape
- Very good insulator

特性

- 良好的導熱性
- 超高柔軟及高壓縮性
- 自黏
- 容易施工
- 可依需求背膠
- 可依需求沖型裁切
- 超高耐電壓

Application 產品應用端

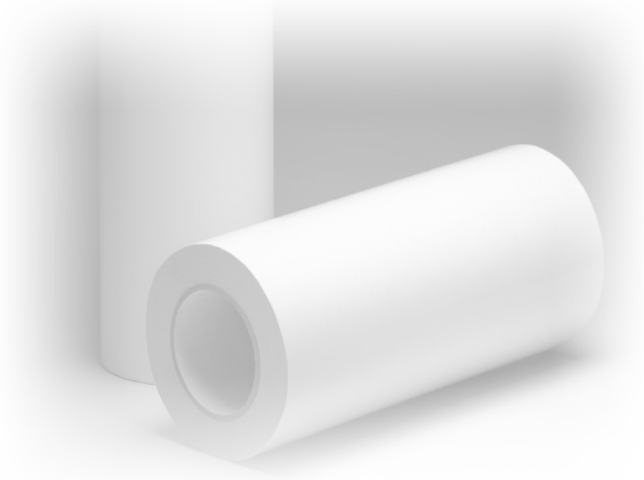
1. Electronic components: IC , CPU , MOS
2. LED , M/B , P/S , HEAT SINK , LCD-TV , NoteBook PC , PC , Telecom device , Wireless Hub..... etc.
3. DDR II Module , DVD Applications , Hand-set applications.....etc.

Property		Unit	Tolerance	Test
Color 顏色	Yellow 黃色	-	-	Visual
Thickness 厚度 (The Thickness Can Be Ordered 可依客戶所需厚度生產)	0.3~15	mm 公厘	-	ASTMD 374
	0.0118~0.59	inch 英吋	-	ASTMD 374
Thermal Conductivity 導熱係數	1.7	W/m.k		ASTMD 5470
Flame Rating 耐火等級	94V-0			UL
Insulation Strength 耐電壓值	>10	KV		ASTMD 149
Weight Loss 重量損失	<1	%		@204℃/24hr
Specific Gravity 比重	1.94	g/cm^3	±0.2	ASTMD 792
Working Temperature Range 工作溫度範圍	-50 ~+220	℃	-	
Surface Resistance 表面阻抗	$2.6x10^{13}$	Ohm		ASTMD 257
Enlogation 延展率	0.2	%	±0.2	ASTMD 412
Tensile Strength 抗拉強度	66.4	kgf/cm^2	±5	ASTMD 412
Standard Shape 標準形狀		Sheet ones 單片狀		
Hardness 硬度	5	Shore A	±3	ASTMD 2240

Li-98
THERMAL ADHESIVE TAPE 導熱膠帶

Feature

- Good adhesion
- Good thermal conductivity
- Soft and compressibility
- Easy to assembly
- Fiberglass carrier
- Easy to assembly



特性

- 良好的粘著性
- 良好的導熱效能
- 具柔軟及可壓縮性
- 含玻纖
- 容易施工

Application 產品應用端

1. Electronic components: IC , CPU , MOS
2. LED , M/B , P/S , HEAT SINK , LCD-TV , NoteBook PC , PC , Telecom device , Wireless Hub..... etc.
3. DDR II Module , DVD Applications , Hand-set applications.....etc.

Property		Unit	Tolerance	
Color 顏色	White 白色	-	-	Visual
Thickness 厚度 (The Thickness Can Be Ordered 可依客戶所需厚度生產)	0.25	mm 公厘	-	
	0.0098	inch 英吋	-	
Thermal conductivity 導熱係數	0.8	W/m.k		ASTMD 5470
Insulation Strength 耐電壓值	>6	KV		
Specific Gravity 比重	2.3	g/cm^3	±0.2	ASTMD 792
Working Temperature Range 工作溫度範圍	-30~+120	℃		
Surface Resistance 表面阻抗	2.2x10^{11}	ohm		ASTMD 257
Adhesion 黏著性	1.5	kg/inch		
Holding Power 保持力	>48	hrs/inch		PSTC-7
Initail Tack 初期黏度	10	100℃		PSTC-6
Standard Size 標準尺寸		Roll 捲狀		
Hardness 硬度	20	Shore A	±5	

L37-5
THERMAL CONDUCTIVE PAD

Feature

- Natural tack
- Good thermal conductivity
- Soft and high compressibility
- Easy to assembly
- Available to apply adhesive
- Pre-cut for different shape
- Good insulator
- Shock & vibration absorber

特性

- 自黏
- 良好導熱性能
- 柔軟及高壓縮性
- 容易施工
- 可依需求背膠
- 可依需求沖型裁切
- 超高耐電壓
- 可做為振動衝擊吸收體

Application 產品應用端

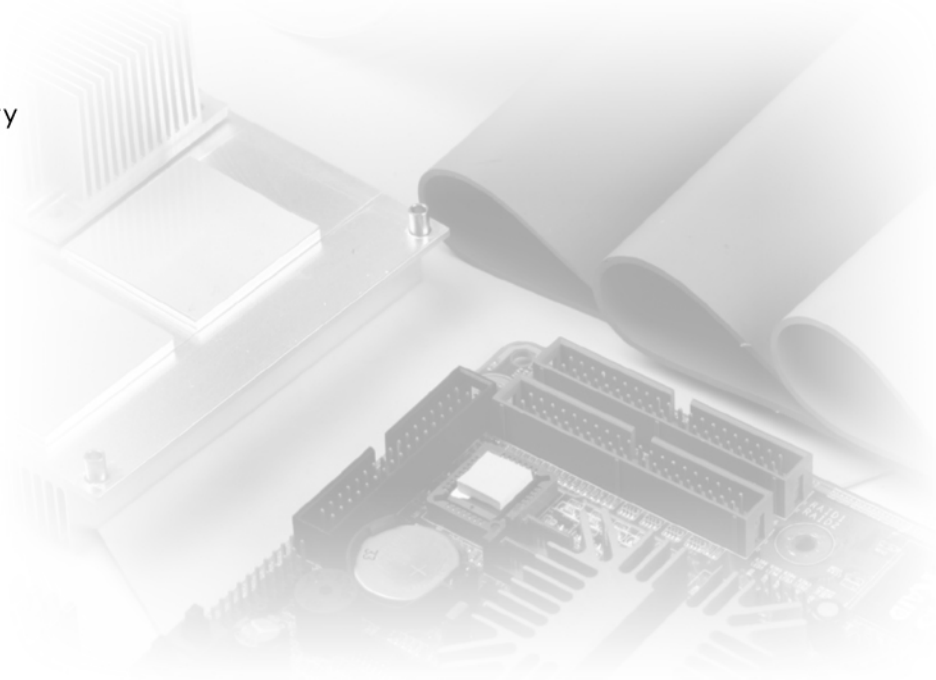
1. Electronic components: IC , CPU , MOS
2. LED , M/B , P/S , HEAT SINK , LCD-TV , NoteBook PC , PC , Telecom device , Wireless Hub..... etc.
3. DDR II Module , DVD Applications , Hand-set applications.....etc.

Property		Unit	Tolerance	Test
Color 顏色	Light Gray 淺灰	-	-	Visual
Thickness 厚度 (The Thickness Can Be Ordered 可依客戶所需厚度生產)	0.13~15	mm 公厘	-	ASTMD 374
	0.0051~0.59	inch 英吋	-	ASTMD 374
Thermal conductivity 導熱係數	1.6	W/m.k		ASTMD 5470
Flame Rating 耐火等級	94V-0			UL
Insulation Strength 耐電壓值	>7	KV		ASTMD 149
Weight Loss 重量損失	<1	%		@204°C/24hr
Specific Gravity 比重	2.35	g/cm^3	±0.2	ASTMD 792
Working Temperature Range 工作溫度範圍	-50 ~+220	°C	-	
Surface Resistance 表面阻抗	10^{17}	Ohm		ASTMD 257
Enlogation 延展率	300	%	±0.2	ASTMD 412
Tensile Strength 抗拉強度	12	kgf/cm^2	±5	ASTMD 412
Standard Shape 標準形狀		Sheet ones 單片狀		
Hardness 硬度	15	Shore A	±3	ASTMD 2240

H48-6R
THERMAL CONDUCTIVE PAD

Feature

- Ultra high thermal conductivity
- Soft and high compressibility
- Natural tack
- Easy to assembly
- Available to apply adhesive
- Pre-cut for different shape



特性

- 超高導熱性
- 柔軟及高壓縮性
- 自黏
- 容易施工
- 可依需求背膠
- 可依需求沖型裁切

Application 產品應用端

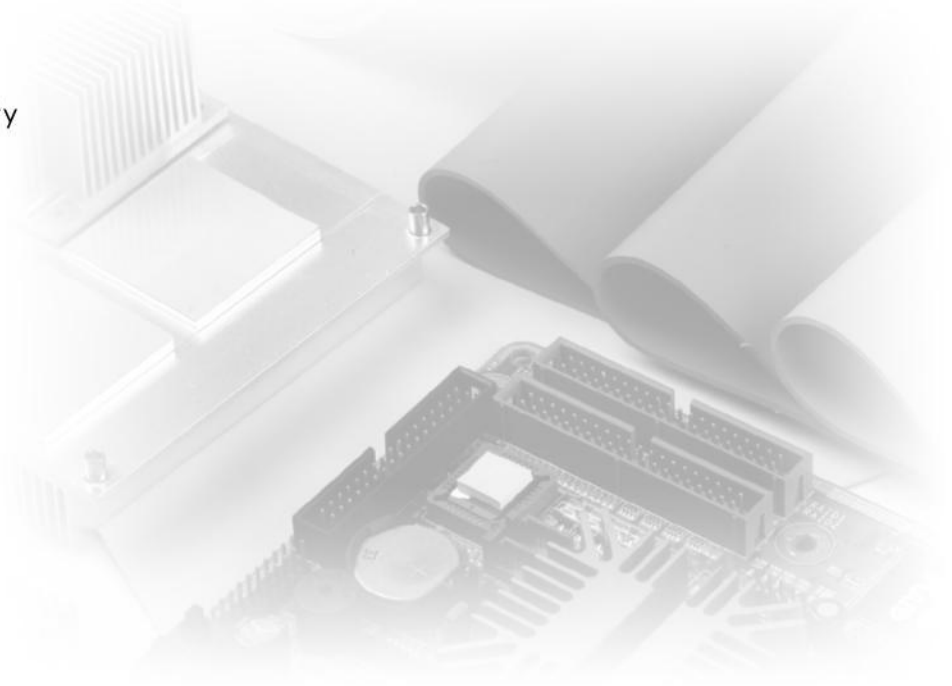
1. Electronic components: IC , CPU , MOS
2. LED , M/B , P/S , HEAT SINK , LCD-TV , NoteBook PC , PC , Telecom device , Wireless Hub..... etc.
3. DDR II Module , DVD Applications , Hand-set applications.....etc.

Property		Unit	Tolerance	Test
Color 顏色	Dark Gray 灰色	-	-	Visual
Thickness 厚度 (The Thickness Can Be Ordered 可依客戶所需厚度生產)	0.13~15	mm 公厘	-	ASTMD 374
	0.0051~0.59	inch 英吋	-	ASTMD 374
Thermal conductivity 導熱係數	4.8	W/m.k		ASTMD 5470
Insulation Strength 耐電壓值	5	KV		ASTMD 149
Weight Loss 重量損失	<1	%		@204℃/24hr
Specific Gravity 比重	2.3	g/cm^3	±0.2	ASTMD 792
Working Temperature Range 工作溫度範圍	-50~+220	℃	-	
Surface Resistance 表面阻抗	10^{17}	Ohm		ASTMD 257
Enlogation 延展率	60	%	±10	ASTMD 412
Tensile Strength 抗拉強度	6	kgf/cm^2	±2	ASTMD 412
Standard Shape 標準形狀		Sheet ones 單片狀		
Hardness 硬度	30	Shore A	±3	ASTMD 2240

H48-6A
THERMAL CONDUCTIVE PAD

Feature

- Ultra high thermal conductivity
- Soft and high compressibility
- Natural tack
- Easy to assembly
- Available to apply adhesive
- Pre-cut for different shape



特性

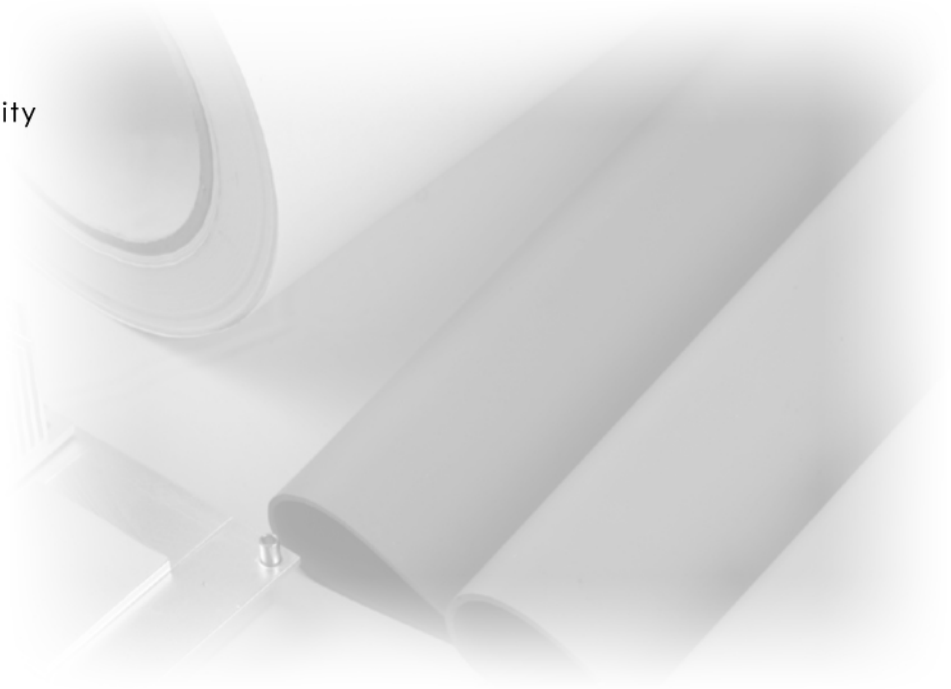
- 超高導熱性
- 柔軟及高壓縮性
- 自黏
- 容易施工
- 可依需求背膠
- 可依需求沖型裁切

Application 產品應用端

1. Electronic components: IC , CPU , MOS
2. LED , M/B , P/S , HEAT SINK , LCD-TV , NoteBook PC , PC , Telecom device , Wireless Hub..... etc.
3. DDR II Module , DVD Applications , Hand-set applications.....etc.

Property		Unit	Tolerance	Test
Color 顏色	Dark Gray 灰色	-	-	Visual
Thickness 厚度 (The Thickness Can Be Ordered 可依客戶所需厚度生產)	0.2 ~ 10	mm 公厘	-	ASTMD 374
	0.0078~0.393	inch 英吋	-	ASTMD 374
Thermal conductivity 導熱係數	4.0	W/m.k		ASTMD 5470
Insulation Strength 耐電壓值	>2.3	KV		ASTMD 149
Weight Loss 重量損失	<1	%		@204℃/24hr
Specific Gravity 比重	2.4	g/cm³	±0.2	ASTMD 792
Working Temperature Range 工作溫度範圍	-60 ~ +180	℃	-	
Surface Resistance 表面阻抗	10^{14}	Ohm		ASTMD 257
Enlogation 延展率	130	%	±10	ASTMD 412
Tensile Strength 抗拉強度	8	kgf/cm²	±2	ASTMD 412
Standard Shape 標準形狀		Sheet ones 單片狀		
Hardness 硬度	70	Shore A	±7	ASTMD 2240

H48-6
THERMAL CONDUCTIVE PAD



Feature

- Very good thermal conductivity
- Soft and high compressibility
- Natural tack
- Easy to assembly
- Available to apply adhesive
- Pre-cut for different shape
- Good insulator

特性

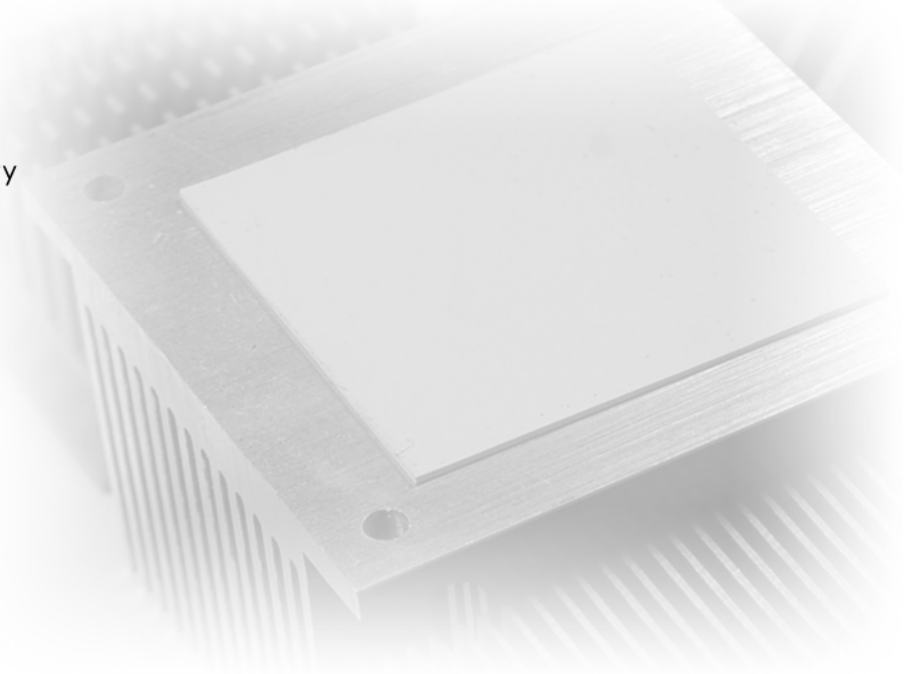
- 良好的導熱性
- 柔軟及高壓縮性
- 自黏
- 容易施工
- 可依需求背膠
- 可依需求沖型裁切
- 高耐電壓

Application 產品應用端

1. Electronic components: IC , CPU , MOS
2. LED , M/B , P/S , HEAT SINK , LCD-TV , NoteBook PC , PC , Telecom device , Wireless Hub..... etc.
3. DDR II Module , DVD Applications , Hand-set applications.....etc.

Property		Unit	Tolerance	Test
Color 顏色	Gray 灰色	-	-	Visual
Thickness 厚度 (The Thickness Can Be Ordered 可依客戶所需厚度生產)	0.13~15	mm 公厘	-	ASTMD 374
	0.0051~0.59	inch 英吋	-	ASTMD 374
Thermal conductivity 導熱係數	3.2	W/m.k		ASTMD 5470
Flame Rating 耐火等級	94V-0			UL
Insulation Strength 耐電壓值	>7	KV		ASTMD 149
Weight Loss 重量損失	<1	%		@204℃/24hr
Specific Gravity 比重	2.28	g/cm^3	±0.2	ASTMD 792
Working Temperature Range 工作溫度範圍	-50 ~+220	℃	-	
Surface Resistance 表面阻抗	10^{17}	Ohm		ASTMD 257
Enlogation 延展率	130	%	±13	ASTMD 412
Tensile Strength 抗拉強度	8	kgf/cm^2	±2	ASTMD 412
Standard Shape 標準形狀		Sheet ones 單片狀		
Hardness 硬度	20	Shore A	±5	ASTMD 2240

H48-2
THERMAL CONDUCTIVE PAD



Feature

- Very good thermal conductivity
- Very soft and high compressibility
- Natural tack
- Easy to assembly
- Available to apply adhesive
- Pre-cut for different shape
- Good insulator
- Shock & vibration absorber

特性

- 良好的導熱性能
- 柔軟及高壓縮性
- 自黏
- 容易施工
- 可依需求背膠
- 可依需求沖型裁切
- 超高耐電壓
- 可做為振動衝擊吸收體

Application 產品應用端

1. Electronic components: IC , CPU , MOS
2. LED , M/B , P/S , HEAT SINK , LCD-TV , NoteBook PC , PC , Telecom device , Wireless Hub..... etc.
3. DDR II Module , DVD Applications , Hand-set applications.....etc.

Property		Unit	Tolerance	Test
Color 顏色	Dark Red 深紅	-	-	Visual
Thickness 厚度 (The Thickness Can Be Ordered 可依客戶所需厚度生產)	0.13~15	mm 公厘	-	ASTMD 374
	0.0051~0.59	inch 英吋	-	ASTMD 374
Thermal conductivity 導熱係數	2.2	W/m.k		ASTMD 5470
Flame Rating 耐火等級	94V-0			UL
Insulation Strength 耐電壓值	>5	KV		ASTMD 149
Weight Loss 重量損失	<1	%		@204℃/24hr
Specific Gravity 比重	2.26	g/cm^3	±0.2	ASTMD 792
Working Temperature Range 工作溫度範圍	-50 ~+220	℃	-	
Sartace Resistance 表面阻抗	$1.38x10^{14}$	Ohm		ASTMD 257
Enlogation 延展率	282	%	±28	ASTMD 412
Tensile Strength 抗拉強度	7	kgf/cm^2	±2	ASTMD 412
Standard Shape 標準形狀		Sheet ones 單片狀		
Hardness 硬度	10	Shore A	±2	ASTMD 2240

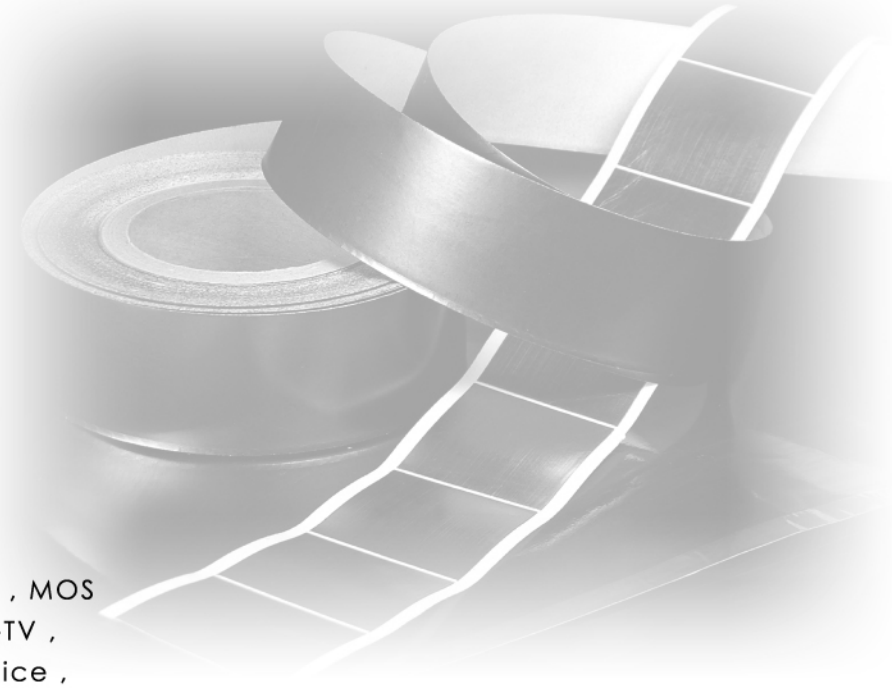
T62系列
GRAPHITE SHEETS 高導熱石墨片

Feature

- Ultra high thermal conductivity
- Easy to assembly
- Pre-cut for different shap

特性

- 超高導熱效能
- 容易施工
- 可依需求做沖型裁切



Application 產品應用端

1. Electronic components: IC , CPU , MOS
2. LED , M/B , P/S , HEAT SINK , LCD-TV , NoteBook PC , PC , Telecom device , Wireless Hub..... etc.
3. DDR II Module , DVD Applications , Hand-set applications.....etc.

Property	Type / Unit	T62-1	T62-2	Graphite
		Garphite+Adhesive 石墨+單面背膠	PET+Garphite+Adhesive PET+石墨＋單面背膠	Garphite 石墨基材
Color 顏色			Black 黑	
Thickness 厚度	mm 公厘	0.16	0.20	0.13
	inch 英吋	0.0063	0.0079	0.005
Thermal conductivity 導熱係數 (W/m.k)	X-Y axis	-	-	400
	Z axis	15	5	20
Flammability Level 耐燃等級	UL	94V-0	94V-0	94V-0
Weight Loss 重量損失	%	5		
Specific Gravity 比重	g/cm^3	1.5~1.8	1.5~1.8	1.5~1.8
Graphite Contained 石墨含量	%	>98%	>98%	>98%
Tensile Strength 抗拉強度	mpa	N/A	N/A	N/A
Elongastion 延展率		N/A	N/A	N/A
Standard Size 標準尺寸		Graphite Rolls, Thickness, 0.13~0.50mm Graphite Sheets, Thickness,0.1~5.0mm		
Hardness 硬度	Shore A	80	>80	80