

Item		Typical Properties
Type		CFTGFB-HTE-18
Nominal Thickness (μm)		18
Purity (%)		99,9
Density (g/m^3 at 20°C)		8,93
Thickness by Weight (g/m^2)		151
Tensile Strength (kgf/mm^2)	ambient	40
	180°C	20
Elongation (%)	ambient	10
	180°C	5
Surface Roughness Ra of Shiny Side (μm)		0,25
Surface Roughness Rz of Matte Side (μm)		7
Peel Strength (kgf/cm , by FR-4)	Condition A — T_g 140°C	1,6
	T_g 170°C	1,2
Degradation Rate (%)	After Baking (2days)	20
	After Exposure to a HCl Sol.	2
Heat Resistance (200°C)		2Hr
Solderability IPC-4562		Good

March 2014

HTE :

High Temperature Elongation, for high T_g and halogen-free Multi-layer Board.

Type :

IPC-4562/3 CUE3-HSXS3

Standard Weidth :

1290mm, we can do sheet cutting and width cutting (every 5mm) as your requirement.

Form of Dilivery :

Roll : Core size ID 80mm, OD 110mm

Sheet: any size upon your request as

Shelf Life :

three months from the day of delivery

Storage Conditions :

Foil is recommended to be stored in $5\sim 25^\circ\text{C}$ and below 60% RH.

Applicable Documents :

IPC-4562, IPC-TM-650

Item		Typical Properties
Type		CFTGFB-HTE-35
Nominal Thickness (μm)		35
Purity (%)		99,9
Density (g/m^3 at 20°C)		8,93
Thickness by Weight (g/m^2)		285
Tensile Strength (kgf/mm^2)	ambient	40
	180°C	20
Elongation (%)	ambient	15
	180°C	5
Surface Roughness Ra of Shiny Side (μm)		0,25
Surface Roughness Rz of Matte Side (μm)		9
Peel Strength (kgf/cm , by FR-4)	Condition A Tg 140°C	2,2
	Tg 170°C	1,4
Degradation Rate (%)	After Baking(2days)	20
	After Exposure to a HCl Sol.	2
Heat Resistance (200°C)		2Hr
Solderability IPC-4562		Good

March 2014

HTE :

High Temperature Elongation, for high Tg and halogen-free Multi-layer Board.

Type :

IPC-4562/3 CUE3-1SXS3

Standard Weidth :

1290mm, we can do sheet cutting and width cutting(every 5mm) as your requirement.

Form of Dilivery :

Roll : Core size ID 80mm, OD 110mm

Sheet: any size upon your request as

Shelf Life :

three months from the day of delivery

Storage Conditions :

Foil is recommended to be stored in 5~25°C and below 60% RH.

Applicable Documents :

IPC-4562, IPC-TM-650

Item		Typical Properties
Type		CFTGFB-HTE-70
Nominal Thickness (μm)		70
Purity (%)		99,9
Density (g/m^3 at 20°C)		8,93
Thickness by Weight (g/m^2)		580
Tensile Strength (kgf/mm^2)	ambient	35
	180°C	18
Elongation (%)	ambient	20
	180°C	5
Surface Roughness Ra of Shiny Side (μm)		0,25
Surface Roughness Rz of Matte Side (μm)		13
Peel Strength (kgf/cm , by FR-4)	Condition A Tg 140°C	3,0
	Tg 170°C	1,7
Degradation Rate (%)	After Baking(2days)	20
	After Exposure to a HCl Sol.	2
Heat Resistance (200°C)		2Hr
Solderability IPC-4562		Good

March 2014

HTE :

High Temperature Elongation, for high Tg and halogen-free Multi-layer Board.

Type :

IPC-4562/3 CUE3-2SXS3

Standard Weidth :

1290mm, we can do sheet cutting and width cutting(every 5mm) as your requirement.

Form of Dilivery :

Roll : Core size ID 80mm, OD 110mm

Sheet: any size upon your request as

Shelf Life :

three months from the day of delivery

Storage Conditions :

Foil is recommended to be stored in $5\sim 25^\circ\text{C}$ and below 60% RH.

Applicable Documents :

IPC-4562, IPC-TM-650

Item		Typical Properties
Type		CFTGFB-HTE-12
Nominal Thickness (μm)		12
Purity (%)		99,9
Density (g/m^3 at 20°C)		8,93
Thickness by Weight (g/m^2)		107
Tensile Strength (kgf/mm^2)	ambient	40
	180°C	20
Elongation (%)	ambient	10
	180°C	5
Surface Roughness Ra of Shiny Side (μm)		0,25
Surface Roughness Rz of Matte Side (μm)		5
Peel Strength (kgf/cm , by FR-4)	Condation A Tg 140°C	1,3
	Tg 170°C	1,0
Degradation Rate (%)	After Baking(2days)	20
	After Exposure to a HCl Sol.	2
Heat Resistance (200°C)		2Hr
Solderability IPC-4562		Good

March 2014

HTE :

High Temperature Elongation, for high Tg and halogen-free Multi-layer Board.

Type :

IPC-4562/3 CUE3-TSXS3

Standard Weidth :

1290mm, we can do sheet cutting and width cutting(every 5mm) as your requirement.

Form of Dilivery :

Roll : Core size ID 80mm, OD 110mm

Sheet: any size upon your request as

Shelf Life :

three months from the day of delivery

Storage Conditions :

Foil is recommended to be stored in 5~25°C and below 60% RH.

Applicable Documents :

IPC-4562, IPC-TM-650

Item		Typical Properties
Type		CFTGFB-HTE-9
Nominal Thickness (μm)		9
Purity (%)		99,9
Density (g/m^3 at 20°C)		8,93
Thickness by Weight (g/m^2)		76
Tensile Strength (kgf/mm^2)	ambient	40
	180°C	20
Elongation (%)	ambient	10
	180°C	5
Surface Roughness Ra of Shiny Side (μm)		0,25
Surface Roughness Rz of Matte Side (μm)		3,5
Peel Strength (kgf/cm , by FR-4)	Condition A T_g 140°C	1
	T_g 170°C	0,6
Degradation Rate (%)	After Baking (2days)	20
	After Exposure to a HCl Sol.	2
Heat Resistance (200°C)		2Hr
Solderability IPC-4562		Good

1. 3. 2014

HTE :

High Temperature Elongation, for high T_g and halogen-free Multi-layer Board.

Type :

IPC-4562/3 CUE3-QSXS3

Standard Weidth :

1290mm, we can do sheet cutting and width cutting (every 5mm) as your requirement.

Form of Delivery :

Roll : Core size ID 80mm, OD 110mm

Sheet: any size upon your request as

Shelf Life :

three months from the day of delivery

Storage Conditions :

Foil is recommended to be stored in $5\sim 25^\circ\text{C}$ and below 60% RH.

Applicable Documents :

IPC-4562, IPC-TM-650

