



Official distributor of APICAL[®] polyimide films in Europe

GTS 5500 - COPPER POLYESTER LAMINATES

GTS 5500 laminates are constructed from polyester film, bonded on one or both sides to high purity electrodeposited or rolled annealed copper foil.

The adhesive system matches the polyester film, giving a high bond strength with excellent flexibility.

GTS 5500 is available in rolls, offering the capability of continuous roll to roll processing.

The copper polyester laminates are available with fire retardant additions as the GTS 5570 series and also with a higher temperature, improved solvent resistance adhesive system as the GTS 5560 series.

The adhesive system can be offered in colours.

GTS 5500 is available in copper thickness of 18, 35, 70 and 105 microns (½, 1, 2 and 3oz/sq ft) with polyester thickness of 12, 25, 50, 75, 100 and 125 microns (½, 1, 2, 3, 4 and 5 mils).

Rolls - widths up to 1200 mm (48 inches).

24.04.97

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GTS 5500 TECHNICAL DATA

PROPERTIES	TEST SPECIFICATION	TYPICAL VALUE	UNITS		
PHYSICAL					
Peel Strength	IPC-TM-650 2.4.9	0.7	N/mm		
Elongation	ASTM D-882-75	125	%		
Tensile Strength	ASTM D-882-75	196	Mpa		
THERMAL					
Shrinkage	IPC-TM 650 2.2.4				
- Thermal MD				1.0	%
TD				0.5	%
- Etch MD				0.3	%
TD	0.15	%			
ELECTRICAL					
Breakdown Voltage *	ASTM D-149-81	12	KV		
Surface Resistivity	ASTM D-257-83	10 ¹³	ohm/sq		
Volume Resistivity	ASTM D-257-83	10 ¹⁵	ohm-m		

* Film data refers to 75 micron film

GTS, one of Europe's leading manufacturers of flexible electrical laminates, specialise in the manufacture and design of flexible laminates and adhesive tapes to meet specific requirements. Combinations of materials, fabrics, scrim, metal foils, plastic films, can generate very strong and very lightweight composites.

GTS, ein in Europa führender Hersteller von flexiblen Elektrolaminaten, spezialisiert in der Entwicklung und Produktion flexibler Laminat- und Klebebänder, die spezifikationen und Kundenwünsche erfüllen. Materialkombinationen, wie z. B. Gewebe, Leinen oder Metallfolien, verklebt mit Kunststofffolien, ergeben leichte, sehr stabile Verbundwerkstoffe.

GTS, un des premiers fabricants Européens de laminés électriques souples est spécialisé dans l'étude et la fabrication de laminés souples et de bandes adhésives répondant à vos besoins spécifiques. La combinaison de matières, tissus, grilles, feuillards métalliques, films plastiques, peut conduire à des composites très résistants et très légers.