CS Hyde Company

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PRODUCT INFORMATION

18-1A-XC
Polyimide (Kapton®) film
Type XC
w/ 3M™ 966 Acrylic Adhesive

ELECTRICALLY CONDUCTIVE KAPTON TAPE

PRODUCT DESCRIPTION

An electrically conductive Kapton® polyimide tape composed of black anti-static Type XC polyimide film backed with high temperature 3M™ 966 acrylic adhesive. This adhesive offers low "outgassing" properties and low leachable chloride important considerations for the aerospace, automotive, and electrical industries. XC Polyimide film offers both thermal and anti-static control and retains all outstanding inertness, radiation, and temperature resistance of other Kapton® polyimide films.

APPLICATION INFORMATION

These tapes are used primarily in electrical applications such as capacitor wrapping, gold finger masking, insulation in transformers, coils, flat cables and connectors and high temperature harness wrapping.

TECHNICAL DATA

PROPERTY	TEST METHOD	DATA
Backing Material		Kapton® XC Film
Backing Thickness		.001
Adhesive System		High Temp. Acrylic
Adhesive Thickness (in.)		.0023
Adhesion (oz/in.)	ASTM-D- 3330 (72 hr. dwell)	78 (Steel)
		54 (HSE Plastic)
Tensile Strength, Kpsi	ASTM D-882-91, A	17
Elongation (%)	ASTM-D-882-91	27
Max. Operating Temp. Film		240°C (464°F) 325 °C (oxygen free environment)
Max. Operating Temp. Adh.		232°C (450°F)
Surface Resistivity Aim, (mega ohm/sq.)	ETS 870 Electrometer at 100V	5
Resistivity Range, avg, (mega ohm/sq.)		.5-50

*The above values are "Typical Values" which have a nominal range about them and are not intended for specification purposes.