Polyimide Tape With Acrylic Adhesive
98C-12

Technical Data

Product Description

3M™ 98C-12 is a 1 mil Polyimide backing with acrylic adhesive designed for high-temperature application, such as coils, capacitors, wire harnesses.

Product Construction

Backing	Adhesive	Color	Standard Roll Length
Polyimide	Acrylic	Amber	33 meters

Typical Physical Properties

Note: The following technical information and data should be considered representative or typical only, and should not be used for specification purposes.

		ASTM Test Method
Backing Thickness:	1.0 mil (0.025 mm)	D-3652
Total Tape Thickness:	2.0 mils (0.05 mm)	D-3652
Adhesion to Steel:	0.38 N/ mm	D-3330, 180° Peel
Tensile Strength :	460 N/100mm	D-882
Elongation at break:	30~90 %	D-882
Working Temperature*:	-40~155 °C	/
Dielectric Strength:	6 Kv	D-149
ECF :	> 0.95	3M Test Method
Flamme Retardant :	Pass E256906	UL-510
Halogen Free:	Pass	SGS

*Temperature use range is defined as the maximum time at the stated temperature after which the 98C-12 may be removed cleanly, without staining, from a substrate.

General Information

- Splice-free maximum roll length is 33 meters -0/+2 meters
- Typical slit roll width tolerance: target ± 0.8 mm
- Product provided on plastic cores and individually packed. Core ID = 76.7 mm ± 0.1 mm
- Substrate should be smooth, clean, dry and oil-free to insure good wet-out and adequate adhesion.
- Tape may not bond or conform to rough or sharply curved surfaces.
- Adhesion and holding power are reduced at elevated temperatures.

Shelf Life

To obtain best performance, use this product within 18 months from date of delivery and store under normal conditions of 60º to 80ºF (16º to 27ºC) and 40 to 60% R.H. in the original carton.

Application Ideas

- Designed for high-temperature electrical applications in which a tough, thin insulating material that is solvent resistant is required for wrapping coils, transformers, capacitors and wire harnesses.

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Features	Features	Advantages	Benefits
	Acrylic adhesive	Non-Silicone	Leaves no silicone residue
		Heat stable	High temperature performance
		Cleanly removable	Little/no cleaning needed
	Polyimide film backing	Dimensionally stable at high temperatures	Meets application temperature demands

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ISO 9002

This Electrical Markets Division product was manufactured under a 3M quality system registered to ISO 9002 standards.

Electrical Markets Division

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