



DW304-2

Kapton® Tape

DeWAL® DW304-2 is a pressure sensitive tape using Kapton® polyimide film coated with high temperature silicone adhesive. The polyimide film provides excellent electrical insulation, abrasion resistance, and high dielectric strength.

Applications:

- Capacitor wrapping
- Gold finger masking
- Insulation in transformers
- Coils, flat cables and connectors
- High temperature harness wrapping

Industry(s):

- Electrical

Features and Benefits

- Removes cleanly at elevated temperatures
- Good solvent resistance
- High dielectric strength

Basic Physical Properties	Typical Value	Units	Test Method
Dielectric Strength	1337 / 3396	kV/cm / V/mil	ASTM D149
Adhesion to Steel	335 / 30	g/cm / oz/in	ASTM-D 1000
Color	Orange	N/A	N/A
Construction	Typical Value	Units	Test Method
Substrate	Kapton® Film	N/A	N/A
Substrate Thickness	0.0508 / 0.002	mm / in	N/A
Adhesive System	Silicone	N/A	N/A
Adhesive Thickness	0.038 / 0.0015	mm / in	N/A
Overall Thickness	0.09 / 0.0035	mm / in	ASTM-D374
Min Width	6.35 / 0.25	mm / in	N/A
Max Width	406 / 16	mm / in	N/A
Heat and Flame	Typical Value	Units	Test Method
Max Operating Temp.	260 / 500	°C / °F	N/A
UL Rating	510A File No. E179854 Flame Retardant/Cold Resistant	N/A	N/A
Processing & Packaging	Typical Value	Units	Test Method
Shelf Life	18	Months from DOM	N/A
Shelf Life Storage Temp.	21 / 70	°C / °F	N/A
Roll Length	33 / 36	m / yd	N/A
Standard Core Type	Plastic	N/A	N/A
Core Diameter	76 / 3	mm / in	N/A
Standard Liner	Self Wound	N/A	N/A

Specifications	
Specification(s)	UL 510A File No. E179854

- Typical values shown are from testing at date of manufacture and should not be used for specification limits.
- Additional technical information and product specifications are available upon request.
- Shelf life is 18 months from the date of manufacture with storage conditions of 21°C (70°F) and 50% RH.
- All metric conversions are approximate.

Note: Shelf life is defined as the duration of time for which the product will meet the physical characteristics outlined on this page. It does not guarantee the product's usefulness in all applications.



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