



DW304-1

Kapton® Tape

DeWAL® DW304-1 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		1249.2 / 3173	kV/cm / V/mil	ASTM D149
Adhesion to Steel		313 / 28	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		0.025 / 0.001	mm / in	N/A
Adhesive System		Silicone	N/A	N/A
Adhesive Thickness		0.038 / 0.0015	mm / in	N/A
Overall Thickness		0.0635 / 0.0025	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)	PMC 4285, 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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