



DW314-1

Kapton® Tape

DeWAL® DW 314-1 is a pressure sensitive tape using Kapton® polyimide film coated with an acrylic adhesive. The polyimide film provides excellent electrical insulation, abrasion resistance, and high dielectric strength. This tape is usually supplied without a liner and a release coat is applied to the tape to prevent blocking.

Applications:

- Electrical applications
- Gold finger masking
- Insulation of transformers, flat cables and connectors
- High temperature harness wrapping

Industry(s):

- Electrical

Features and Benefits

- Excellent electrical insulation
- Abrasion resistant
- High dielectric strength

Basic Physical Properties	Typical Value	Units	Test Method
Dielectric Strength	1264.2 / 3211	kV/cm / V/mil	ASTM D149
Adhesion to Steel	306 / 27.4	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	Acrylic	N/A	N/A
Adhesive Thickness	0.0375 / 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.	204 / 400	°C / °F	N/A
Processing & Packaging	Typical Value	Units	Test Method
Shelf Life	24	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

- 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 24 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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