

DeWAL® DW304-5

DeWAL® DW304-5 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.

Features & Benefits:

- Removes cleanly at elevated temperatures
- Good solvent resistance
- High dielectric strength
- UL Flame Retardant/Cold Resistant Approved

Applications:

- Electrical applications: capacitor wrapping, gold finger masking, insulation in transformers, coils, and flat cables and connectors
- High temperature harness wrapping

| PROPERTY | TEST METHOD | DATA RANGE | TYPICAL VALUE* |
|--|-------------|------------------------------------|----------------|
| PHYSICAL | | | |
| Backing Material | | --- | Kapton® Film |
| Backing Thickness, mm (inches) | | 0.114 – 0.140 (0.0045 – 0.0055) | --- |
| Adhesive System | | --- | Silicone |
| Adhesive Thickness, mm (inches) | | 0.03 – 0.045 (0.0012 – 0.0018) | --- |
| Adhesion, g/cm (oz./in) | ASTM D-1000 | 279 – 368 (25 - 33) | 335 (30) |
| Tensile, Mpa (psi) | ASTM D-3759 | 62 - 76 (9,000 -11,000) | 69 (10,000) |
| Elongation, % | ASTM D-3759 | 50 - 60 | 55 |
| Dielectric Strength, Volts/mil | ASTM D-149 | 2,406 - 3,968 | 3,290 |
| UL Approval | 510 | File No. E179854 | Approved |
| Maximum Operating Temperature, C° (F°) | | | 260 (500) |

| PRODUCT DIMENSIONS | METRIC | ENGLISH |
|--------------------------|------------|-----------|
| Width mm, inches | 6.35 - 610 | 0.25 - 24 |
| Core Diameter mm, inches | 76 | 3 |
| Roll Length m, yards | 33 | 36 |

*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 1 year from the date of manufacture with storage conditions of 21°C (70°F) and 50% RH.

- All metric conversions are approximate.