



DW303-1

Polymide Tape

DeWAL® DW303-1 is a tape consisting of polyimide film and silicone adhesive that has been designed for high temperature masking applications. In electrical insulation applications, this product meets Class H requirements.

Applications:

- Gold finger masking
- Coil insulation
- High temperature harness wrapping

Industry(s):

- Electrical
- Mechanical

Features and Benefits

- High temperature resistance
- Great electrical insulator

Basic Physical Properties	Typical Value	Units	Test Method
Tensile Strength	55.2 / 8000	MPa / psi	ASTM-D3759
Elongation	40	%	ASTM-D3759
Dielectric Strength	856.3 / 2175	kV/cm / V/mil	ASTM D149
Adhesion to Steel	223 / 20	g/cm / oz/in	ASTM-D 1000
Color	Orange	N/A	N/A
Construction	Typical Value	Units	Test Method
Substrate	Polymide 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	508 / 20	mm / in	N/A
Heat and Flame	Typical Value	Units	Test Method
Max Operating Temp.	260 / 500	°C / °F	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	Class H Requirements
Specification(s)	
• 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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