



DW303-ESD

Polymide Tape

DeWAL® DW303-ESD is a 1 mil anti-static treated polyimide film coated with silicone adhesive.

Applications:

- A polyimide mask for printed circuit boards

Industry(s):

- Electrical

Features and Benefits

- Designed to minimize the effect of static during stripping and peeling
- High temperature resistance
- High chemical resistance
- Great electrical and thermal insulator
- Thin and conformable, yet remains puncture and tear resistant at high temperatures

Basic Physical Properties	Typical Value	Units	Test Method
Tensile Strength	82.7 / 12000	MPa / psi	ASTM-D3759
Elongation	55	%	ASTM-D3759
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
Custom Properties			Value
Static Charge (Removal from the roll)			< 50 Volts

- 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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