



DW244-2HD

PTFE Tape

DeWAL® DW244-2HD is produced from skived and tensilized PTFE film that is coated with a high temperature silicone adhesive. The tensilized film provides higher strength, lower elongation, and higher dielectric strength than our regular skived film. It is etched on the top surface, making it bondable to itself and other materials.

Applications:

- Coil wraps
- Separators
- Transformers, slot liners
- Harness wrapping
- Down-hole cable splicing

Industry(s):

- Electrical
- Military/Defense
- Oil/Gas

Features and Benefits

- Non-stick surface
- Good electrical insulation
- High temperature resistance
- Good adhesive strength at high temperatures
- Low friction

Basic Physical Properties	Typical Value	Units	Test Method
Tensile Strength	121 / 17535	MPa / psi	ASTM-D3759
Elongation	147	%	ASTM-D3759
Dielectric Strength	2372 / 6025	kV/cm / V/mil	ASTM D149
Adhesion to Steel	335 / 30	g/cm / oz/in	ASTM-D 1000
Color	Brown	N/A	N/A
Construction	Typical Value	Units	Test Method
Substrate	PTFE Film	N/A	N/A
Substrate Thickness	0.0508 / 0.002	mm / in	N/A
Adhesive System	Silicone	N/A	N/A
Adhesive Thickness	0.038 / 0.0015	mm / in	N/A
Overall Thickness	0.09 / 0.0035	mm / in	ASTM-D374
Min Width	12.7 / 0.5	mm / in	N/A
Max Width	546.1 / 21.5	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	Mil-A-A59474 Type 2, Class 1, 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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