



DW246-5

PTFE Tape

DeWAL® DW 246-5 is a pressure sensitive tape using skived PTFE film with a high temperature silicone adhesive that can withstand temperatures up to 260°C (500°F). The PTFE film is etched on the back side to provide a bond-able surface.

Applications:

- Down-hold cable splicing
- Other electrical applications

Industry(s):

- Electrical
- Oil/Gas

Features and Benefits

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

Basic Physical Properties	Typical Value	Units	Test Method
Tensile Strength	34 / 4984	MPa / psi	ASTM-D3759
Elongation	489	%	ASTM-D3759
Dielectric Strength	950.4 / 2414	kV/cm / V/mil	ASTM D149
Adhesion to Steel	592 / 53	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	0.127 / 0.005	mm / in	N/A
Adhesive System	Silicone	N/A	N/A
Adhesive Thickness	0.0505 / 0.002	mm / in	N/A
Overall Thickness	0.1778 / 0.007	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
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	16 / 18	m / yd	N/A
Standard Core Type	1" Paper	N/A	N/A
Core Diameter	25.4 / 1	mm / in	N/A
Standard Liner	Clear Fluorosilicone	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 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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