

DW204-5HD

PTFE Tape

DeWAL® DW204-5HD 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.

Applications:

- Coil wraps
- Separators
- Transformers
- Slot liners
- Harness wrapping
- Flat die extrusion
- Release surface for Composite Manufacturing

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Industry(s):

- Composite Manufacturing
- Electrical
- Mechanical
- Military/Defense

Features and Benefits

- Non-stick surface
- Low friction
- High temperature resistance
- Good insulation

Basic Physical Properties	Typical Value	Units	Test Method
Tensile Strength	101 / 14627	MPa / psi	ASTM-D3759
Elongation	215	%	ASTM-D3759
Dielectric Strength	1516.9 / 3853	kV/cm / V/mil	ASTM D149
Adhesion to Steel	480 / 43	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	0.038 / 0.0015	mm / in	N/A
Overall Thickness	0.1651 / 0.0065	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	1	Year 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

Specification(s)

Mil-A-A59474 Type 1, Class 4, 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 1 year 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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