



DW204-2HD

PTFE Tape

DeWAL® DW204-2HD 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.

Applications:

- Coil wraps
- Separators
- Transformers
- Slot liners
- Harness wrapping
- Roller wrap and tooling protection in high speed, high temperature flat die extrusion of polyethylene coatings and laminations
- Down-Hole Cable Splicing
- Aerospace Composites
- Release surface for Composite Manufacturing

Industry(s):

- Aerospace
- Composite Manufacturing
- Electrical
- Mechanical
- Military/Defense
- Oil/Gas

Features and Benefits

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

Basic Physical Properties		Typical Value	Units	Test Method
Tensile Strength		121 / 17535	MPa / psi	ASTM-D3759
Elongation		147	%	ASTM-D3759
Dielectric Strength		1344.1 / 3414	kV/cm / V/mil	ASTM D149
Adhesion to Steel		390 / 35	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	
Specification(s)	Mil-A-A59474 Type 1, 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.