

DeWAL® DW2000

DeWAL[®] DW2000 is a skived PTFE (Polytetrafluoroethylene) film held to close tolerance on width and thickness. DW2000 conforms to ASTM D3308 Type II as well as SAE AMS 3662C.

Features & Benefits:

- High temperature resistance
- Superior electrical properties
- High chemical resistance
- Food Grade compliant under FDA 21CFR 177.1550

Applications:

- Electrical applications
- Release film for high temperature flex circuits
- Release or bonding film for production of microwave circuits
- Harness for electrical wiring
- Spacers for transformers
- Molding of composite structures

PROPERTY	TEST METHOD	DATA RANGE	TYPICAL VALUE*
PHYSICAL			
Base Film			PTFE Film
Density, g/cc	ASTM-D792	2.15 - 2.17	2.16
Tensile Strength, MPa (psi)	ASTM-D882 @ 0.002" thick	40 - 52 (5,861 - 7,574)	46 (6,727)
Elongation, %	ASTM-D882 @ 0.002" thick	338 - 417	390
Dielectric Strength, V/mil	ASTM-D149 @ 0.002" thick	2,233 - 3,066	2,598
Dissipation Factor	ASTM-D150 @ 1kHz, 0.002" thick		0.00025
Dielectric Constant	ASTM-D150 @ 1kHz, 0.002" thick		3.70
Capacitance, Farad	ASTM-D150 @ 1kHz, 0.002" thick		293
Maximum Operating Temperature, $C^{\circ}(F^{\circ})$			260 (500)
PRODUCT DIMENSIONS	METRIC	ENGLIS	SH

Thickness mm, inches	0.0127 - 1.02	0.0005 - 0.040	
Maximum Width mm, inches	305 – 1270	12 – 50	
Core Diameter mm, inches	76	3	
Maximum Roll O.D. mm, inches	355	14	

*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.



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