Product Data Sheet

DeWAL® DW202

DeWAL® DW202 is a skived PTFE (Polytetrafluoroethylene) film held to close tolerance on width and thickness. DW202 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
- Capacitor films
- Harness for electrical wiring
- Spacers for transformers

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° (F°)			260 (500)

PRODUCT DIMENSIONS	METRIC	ENGLISH
Thickness mm, inches	0.025 - 1.575	0.001 - 0.062
Maximum Width mm, inches	6.35 – 279.4	0.25 – 11
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.