



DeWAL® DW502NE Skived PTFE Film

DeWAL® DW502NE is a skived tensilized PTFE film that is etched on one side with sodium naphthalene and conforms to Mil-P-22241B.

It holds close tolerance on width and thickness, has enhanced tensile and dielectric strengths, and a high temperature service rating and superior electrical properties.

Applications

- Capacitor films, harnessed for electrical wiring for automotive and aerospace applications
- Spacers for transformers
- Electrical insulation

PROPERTY	TEST METHOD	VALUE
PHYSICAL		
Base Film		PTFE
Density, g/cc	ASTM-D792	2.2
Thickness, mm, (inches)	ASTM-D374	0.051-0.13 (0.002 – 0.005)
Tensile Strength, MPa (psi)	ASTM-D6040/882 @ 0.002"	115.83 (16800)
Peak Elongation, %	ASTM-D6040/882 @0.002"	155
Dielectric Strength, V/mil	ASTM-D149 @ 0.002"	5425
Maximum Operating Temperature, °C, (°F)		260 (500)
PACKING SPECIFICATIONS		
Width, mm (inches)	N/A	510 (20)
Core Diameter, mm, (inches)	N/A	76.2 (3)
Max Roll O.D., mm, (inches)	N/A	355 (14)

All metric conversions are approximate.
Additional technical information is available.
Typical values should not be used for specification limits.