Product Data Sheet

DeWAL® DW219C

DeWAL® DW219C is a skived PTFE film that is produced from a conductive, modified homo-polymer PTFE resin. The resin contains less than 1% of a fully fluorinated co-monomer. The co-monomer creates a material with improved electrical and physical properties. This film can also thermally fuse to itself. The modified homo-polymer resin exhibits chemical resistance properties equivalent to that of a standard homo-polymer PTFE.

Features & Benefits:

- High tensile strength & elongation
- Thermally self-fusible
- Low coefficient of friction
- Excellent chemical resistance

Applications:

- Inner liners for convoluted hoses
- Wire and cable applications

PROPERTY	TEST METHOD	DATA RANGE	TYPICAL VALUE*
PHYSICAL			
Base Film		---	Modified PTFE Film
Density, g/cc	ASTM-D 792	2.14 - 2.18	2.16
Tensile Strength, MPa (psi)	ASTM-D 882 @ 0.003"	27 - 31 (4,000 - 4,500)	29 (4,250)
Elongation, %	ASTM-D 882 @ 0.003"	400 - 450	425
Conductivity, micro Amps	DC Bridge, 1000 Volts (Sample 0.0025" thick x 10"L x 1"W)	600 - 1,000	800
Maximum Operating Temperature, C° (F°)			260 (500)

PRODUCT DIMENSIONS	METRIC	ENGLISH
Thickness mm, inches	0.064 - 0.254	0.0025 - 0.010
Maximum Width mm, inches	6.35 - 305	0.25 - 12
Core Diameter mm, inches	76	3
Maximum Roll OD mm, inches	356	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.