

DeWAL® DW233TS Membrane

DeWAL® DW233TS Membrane is a heat-stabilized, bi-axially expanded PTFE product.

Features & Benefits:

- Exceptional chemical resistance and extreme temperature range
- Low coefficient of friction
- Excellent drape characteristics and non-stick properties
- Excellent Permeability for air transmission
- Permeable membranes for air and moisture regulation
- Battery and fuel cell separators
- Instrument wiring and non-invasive medical applications
- Gaskets, expansion joints, valve seals, and diaphragms
- Close tolerance, splice-free requirements

Applications:

PROPERTY	TEST METHOD	VALUE
PHYSICAL		
Material		Virgin Expanded PTFE
Density, g/cc, typical	ASTM-D792	0.4
Thickness, mm (inches)	ASTM-D374	0.101 (0.004)
Tensile Strength, MPa (psi)	ASTM-D6040/882	3.1 (450)
Peak Elongation, %	ASTM-D6040/882	10
Pore Size, um, typical	ASTM-D149	0.8
Airflow @ 70 mbar, average, L/HR/cm ²	ASTM-D737	130
Water Entry Pressure, kPa (psi)	ASTM-D751	206 (30)
Operating Temperature, C° (F°)		-268° to +260° (-450° to +500°)

PRODUCT DIMENSIONS	METRIC	ENGLISH
Width mm, inches	762	30
Core Diameter mm, inches	76.2	3
Max Roll O.D., mm (Inches)	254	10
Core Type	Plastic & Cardboard Available	
Packaging Type	Roll	

- Additional technical information and product specifications are available upon request.
- Shelf life is one year from the date of manufacture with storage conditions of 21°C (70°F) and 50% RH.
- All metric conversions are approximate.