



DeWAL® DW936V

ePTFE laminate for industrial venting applications

The DeWAL® DW936V product line is a heat stabilized, bi-axially oriented, expanded PTFE (polytetrafluoroethylene) and UHMW-PE film laminate. The addition of porous UHMW-PE to the ePTFE membrane improves handling and manufacturability while allowing the transition of air through the film. The controlled pore size of the ePTFE membrane defends from particulate intrusion in an excellent combination of breathability and protection. The naturally hydrophobic ePTFE provides for high liquid water ingress resistance while allowing for vapor release, making it an optimal choice for pressure equalization and enclosure venting.



Due to the controlled pore size of the ePTFE, DeWAL DW936V laminate is ideal for:

- Venting and equalization of material holding enclosures
- Sealing, venting, and equalization for exterior telecom and datacom enclosures
- Venting for interior and exterior electrical enclosures

PRODUCT	CONSTRUCTION	TOTAL THICKNESS [ASTM D374]	MAX AVAILABLE WIDTH	MAX OPERATING TEMP	AIRFLOW, TYPICAL [@ 70 MBAR, ASTM D737]	WATER ENTRY PRESSURE, TYPICAL [ASTM D751]	ePTFE TENSILE STRENGTH, NOMINAL [ASTM D6040]*	ePTFE ELONGATION STRENGTH, NOMINAL [ASTM D6040]*	WATER & DUST INGRESS PROTECTION [IEC 60529]
		mm (in)	cm (in)	°C (°F)	L/Hr/cm ²	kPa (psi)	psi	%	
DW936V-06	ePTFE/ Porous UHMW-PE	0.15 (0.006)	48 (19)	120 (248)	120	207 (30)	900	30	IP67
DW936V-07	ePTFE/ Porous UHMW-PE	0.18 (0.007)	48 (19)	120 (248)	20	345 (50)	450**	24**	IP67

Values are presented as guidelines - material should be tested to the final application needs and design

*Property values are nominal for ePTFE film only. Laminate construct is not tested for tensile strength.

**Represents calculated values based upon similar product family characteristics.

PACKAGING SPECIFICATIONS	VALUE	
Width	2.54 to 60.96 cm (Product Dependent)	
Max. Roll O.D.	10 in. (Product Dependent)	25.4 cm (Product Dependent)
Plastic or Cardboard Core Dia.	3 in	7.62 cm



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