



DeWAL® DW932VO

Oleophobic ePTFE laminate for venting applications

The DeWAL® DW932VO product line is a heat stabilized, bi-axially oriented expanded PTFE (polytetrafluoroethylene) and non-woven polyester film laminate that has been modified to be oleophobic. With the addition of a non-woven PET to the ePTFE membrane, handling and manufacturability are improved while not compromising airflow. The oleophobic conditioning provides for non-polar solvent resistance while maintaining water ingress protection. This laminate will allow for vapor release, making it an optimal choice for pressure equalization and enclosure venting.



Due to the controlled pore size of the ePTFE, DeWAL® DW932VO 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
- Repelling of polar and non-polar liquids

| PRODUCT | CONSTRUCTION | TOTAL THICKNESS [ASTM D374] | MAX AVAILABLE WIDTH | MAX OPERATING TEMP | AIRFLOW, MIN [@ 70 MBAR ASTM D737] | AIRFLOW, MIN [Per ISO 5636 20oz/100cc] | WATER ENTRY PRESSURE, MIN [ASTM D751] | OLEOPHOBICITY RATING [AATCC TM118] | WATER & DUST INGRESS PROTECTION [IEC 60529] |
|------------|-----------------|--------------------------------|---------------------|--------------------|--|--|--|---------------------------------------|--|
| | | mm (in) | cm (in) | °C (°F) | L/Hr/cm ² | Gurley Seconds | mbar (psi) | | |
| DW932VO-12 | ePTFE/Non-Woven | 0.31 (0.012) | 31 (12) | 160 (320) | 35 | 250 | 1000 (15) | ≥ 6 | 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

| PACKAGING SPECIFICATIONS | VALUE | |
|--------------------------------|---|-----------------------------|
| Width | 31cm standard. Other widths available by request. | |
| Max. Roll O.D. | 10 in. (Product Dependent) | 25.4 cm (Product Dependent) |
| Plastic or Cardboard Core Dia. | 3 in | 7.62 cm |