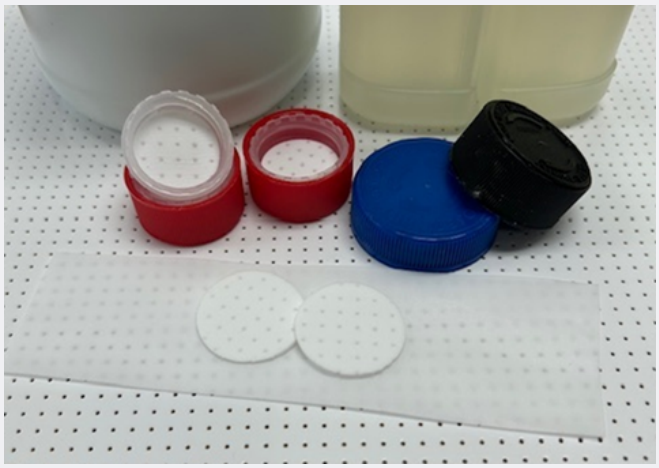
Product Data Sheet

DeWAL® DW975
Polyethylene-Based Membrane or Laminate for Vented Cap Liners



DeWAL® DW975 is a porous ultra-high molecular weight (UHMW) polyethylene membrane designed to allow for the passage of gases through the membrane but not liquids. DeWAL DW975 can be used as a venting material in vented caps to equalize pressure inside the bottle with the outside environment while also preventing liquid spillage should the bottle tip over. The material can be produced solely as a membrane, or with the membrane laminated to a polyethylene foam that can be perforated and/or grooved to provide both a seal within the bottle and good horizontal and vertical venting.

Features & Benefits:

- High airflow venting
- PFAS- and PTFE- Free
- Can be recycled with PE bottles

TECHNICAL DATA	TEST METHOD	TYPICAL VALUE
PHYSICAL		
Overall Thickness, mm (inches)	ASTM D374	1.12 (0.044)
Membrane		Porous UHMW PE
Membrane Thickness, mm (inches)		0.127 - 1.27 (0.005 - 0.05)
Backer Thickness		PE Foam Core *
Width-min. , mm (in.)		12.7 (0.5) †
Width-max. , mm (in.)		559 (22) †
Water Entry Pressure, kPa (psi)	For 0.005" membrane	70
Air Flow, Lt/hr/cm^2	@70 kPa for 0.005" membrane @70 kPa for 0.037" membrane	500 380
PACKAGING SPECIFICATIONS		
Max Roll O.D., mm (in.)		609.6 (24)
Core Type		Plastic and cardboard available
Core Diameter, mm (in.)		76.2 & 152.4 (3 & 6)

Notes:
- "*" Can be grooved and/or perforated; available in thicknesses < 1.27 mm (0.05").
- "†" Product dependent.
- All metric conversions are approximate. Additional technical information is available.
- Typical values should not be used for specification limits.
- Shelf life is 1 year from the date of manufacture with storage conditions 21°C (70°F) and 50% RH.