Product Data Sheet

DeWAL® DW232PA

Porous Sintered PTFE for Automotive Battery Venting Applications

DeWAL® DW232PA product is a fully sintered, porous PTFE film that is thermally and chemically stable. Using the excellent environmental and chemical protection offered by PTFE, DW232PA incorporates pores to allow for controlled venting of air and vapor with excellent transfer and equalization of temperature and pressure. Due to the lack of expansion and stretching versus ePTFE, DW232PA is the perfect choice for EV/HEV battery emergency decompression vents.

Features & Benefits:

- Venting and equalization of enclosed spaces while resisting thermal cycling fatigue
- Rapid fracture under pressure allowing for emergency decompression of an enclosed space
- Excellent thermal and chemical environmental resistance

Applications:

- EV/HEV battery emergency decompression vents.

PROPERTY	TEST METHOD	5	7	10	11
PHYSICAL					
Thickness, mm (in)	ASTM D374	0.13 (0.005)	0.18 (0.007)	0.25 (0.010)	0.25 (0.010)
Max Available Width, cm (inches)		31 (12)	31 (12)	31 (12)	31 (12)
Maximum Operating Temperature, C° (F°)		260 (500)	260 (500)	260 (500)	260 (500)
Air Flow Min, @70 MBAR L/hr/cm^2		70	45	16	1
Water Entry Pressure Min (WEP), mbar (psi)		175 (2.5)	265 (3.8)	350 (5)	1000 (14.2)
Salt Fog Test	ASTM B117-11	Pass	Pass	Pass	Pass
UL 94 Capable		V-0[1]	V-0[1]	V-0[1]	V-0[1]
Water & Dust Ingress Protection IP Rating	IEC 60529	67	67	67, 68	67, 68

PACKAGING SPECIFICATIONS	METRIC	ENGLISH
Width* cm, inches	31	12
Typical Roll Length m, feet	40 - 50	130 - 165
Plastic Core Diameter cm, inches	7.62	3

Notes:

- All metric conversions are approximate.
- Additional technical information is available.
- Typical values should not be used for specification limits.
- All materials compliant with RoHS, WEEE, REACH
- All materials naturally hydrophobic.
- *31 cm is standard. Less than 31 cm available by request.
- [1] Does not carry UL Certification. UL certification possible upon request.