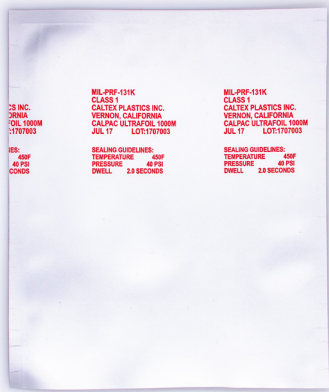


CALPAC ULTRAFOIL 1000M

CALPAC ULTRAFOIL 1000M is a lightweight, super heavy duty, foil-based, moisture barrier laminate. Its construction has been designed to resist punctures and tearing as well as to minimize forms of contamination including outgassing and non-volatile residues. It is waterproof, greaseproof, flexible, heat-sealable and is specially designed for packaging large machinery. It easily conforms to the shape of products during vacuum packaging and is suitable for vacuum packaging applications requiring nitrogen flushing. This moisture barrier film is on the QPL for MIL-PRF-131K and is converted in accordance with MIL-DTL-117H.



FEATURES

- Excellent chemical, puncture, and tear resistance
- Lead-free RoHS 2, REACH and Conflict Minerals compliant
- Easy sealability: linear low density polyethylene inner sealant layer
- Low moisture vapor transmission rate: protects against humidity, moisture, oxygen, odors, and other airborne contaminants
- Date and lot coded for traceability
- Standard thermal transfer identification print

Available in:

- Zipper, side and bottom gusset configuration
- Cleanroom Class 100

PHYSICAL PROPERTIES	TEST METHOD	US STANDARD
Thickness*	ASTM D374	6.2 mil
Yield		4235in ² /lb
Tensile Strength MD* TD*	ASTM D882	7887 psi 7887 psi
Graves Strength MD* TD*	ASTM D1004	4.5 lbf 4.5 lbf
Spencer Impact*	ASTM D3420	15.0 lbf
Puncture Resistance*	FTMS 101C Method 2065	31.0 lbf
Moisture Vapor Transmission Rate	ASTM F1249 (37.8°C, 90% RH)	0.0005 g/100 in ² /day
Oxygen Gas Transmission Rate	ASTM D1249 (23.0°C, 0% RH)	0.0005 g/100 in ² /day
Heat Seal Range	ASTM F88	275°F - 500°F
Seal Strength (min.)	ASTM F88	> 18 lbf

*Average values given.

Disclaimer: MacPac, Inc. makes no warranty, expressed or implied, as to the suitability of these materials for any specific use. The values shown above were developed from random samples taken from production material. We believe them to be typical for the product. Actual values may vary somewhat from those depicted here. Customers should determine product suitability based upon their own internal criteria.