



Patent Pending

Thermoformable, FDA-compliant, Pharmaceutical-Grade PCTFE film lamination. Tekni-Plex offers a wide range of PVC-based film structures to meet both performance and cost requirements.

Typical Physical Properties

General

Construction	125µ PVC / 23µ PCTFE / 125µ PVC	5.0 mil PVC / 0.9 mil PCTFE / 5.0 mil PVC
Color	Clear Tint	Clear Tint
Haze	3 %	3 %
Specific Gravity	1,38g / cm ³	1.38g / cm ³
Total Thickness	277µ	0.0109"
Thickness tolerance	± 10%	± 10%
Maximum roll width	1,1 m	42"
Roll width tolerance	± 1,5 mm	± 1/16"
Yield	2,347 – 2,869 m ² / kg	1651 – 2017 in ² / lb

Mechanical

Tensile Strength	37,92 x 10 ⁶ N / m ²	5500 psi
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Thermal

Dimensional Stability	± 4% (30 minutes @ 140°C)	± 4% (30 minutes @ 284°F)
Thermoforming Range	100 – 160°C	212 – 320°F

Barrier

Moisture Vapor Transmission Rate (38°C, 90% RH)	0,23g / m ² / 24 hrs	0.015 g / 100 in ² / 24 hrs
Oxygen Transmission Rate (23°C, 100% RH)	18,6 cm ³ / m ² / 24 hrs	1.2 cm ³ / 100 in ² / 24 hrs

Storage Conditions and Shelf-life : it is recommended to store the reels in original packaging between 18°C-25°C and 40%-60% RH. The component shelf-life is 2 years after date of manufacture on label. Manufactured under Industry Accepted standards for cGMP. Film is composed of ingredients in compliance with existing regulations of the FDA , USP and is entered in Tekni-Plex Inc.'s Drug Master File #1378. Data supplied in good faith for information only. End user assumes all liability in using this product for the purpose intended. It is the customer's responsibility to inspect and test this product as to the suitability for the customer's particular purpose, including but not limited to the use in conjunction with other materials or products; and/or the processing or transformation of this product. The customer is responsible for the appropriate, safe and legal use, processing and handling of this product.

TEKNIFLEX® is a registered trademark of Tekni-Plex, Inc.

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TEKNI-FILMS

Tekni-Films USA
201 Industrial Parkway
Somerville, NJ 08876 USA
Tel : (908) 722-4800 - Fax : (908) 722-4967

Tekni-Films Europe
Industrielaan, 37
9320 Erembodegem Belgium
Tel : +32 53 650711 - Fax : +32 53 672074

Tekni-Films South America
Timoteo Gordillo 5490
1439 Buenos Aires Argentina
Tel : +54 11 46054042 - Fax : +54 11 46059625