

Tekniflex PGA and PGOA series are designed for the packaging of Medical Device/Drug Product Combinations requiring high moisture and/or oxygen barrier. Thermoformable, FDA-compliant, Medical-Grade PETG/PCTFE film lamination, which can be sterilized by radiation. Tekni-Plex offers a wide range of PETG-based film structures to meet both performance and cost requirements.

Typical Physical Properties

General	381μ PETG / 70μ PE.EVOH.PE / 23μ PCTFE	15 mil PETG / 2.8 mil PE.EVOH.PE / 0.9 mil PCTFE
Construction		
Color	Clear tint	Clear tint
Haze	4%	4%
Specific Gravity	1,26 g / cm ³	1.26 g / cm ³
Total Thickness	474μ	0.0187"
Thickness tolerance	± 10%	± 10%
Maximum roll width	1,1 m	42"
Roll width tolerance	± 1,5 mm	± 1/16"
Yield	1,66 m ² / kg	1170 in ² / lb
Mechanical		
Tensile Strength	45 x 10 ⁶ N / m ²	6500 psi
Thermal		
Dimensional Stability	± 4% (30min minutes @ 140°C)	± 4% (30min minutes @ 284°F)
Thermoforming Range	100 – 160°C	212 – 320°F
Barrier		
Moisture Vapor Transmission Rate (38°C, 90% RH)	0,23 g / m ² / 24 hrs	0.015 g / 100 in ² / 24 hrs
Oxygen Transmission Rate (23°C, 100% RH)	0.42 cm ³ / m ² / 24 hrs	0.027 cm ³ / 100 in ² / 24 hrs

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.

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 Eredebodegem
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