

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	254µ PETG / 51µ PCTFE	10 mil PETG / 2 mil PCTFE
Construction		
Color	Clear tint	Clear tint
Haze	3%	3%
Specific Gravity	1,41 g / cm ³	1.41 g / cm ³
Total Thickness	307µ	0.012"
Thickness tolerance	± 10%	± 10%
Maximum roll width	1,1 m	42"
Roll width tolerance	± 1,5 mm	± 1/16"
Yield	2,31 m ² / kg	1626 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)	0,11 g / m ² / 24 hrs	0.007 g / 100 in ² / 24 hrs
Oxygen Transmission Rate (23°C, 100% RH)	23 cm ³ / m ² / 24 hrs	1.4 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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