

*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  | 508µ PETG / 51µ PCTFE                        | 20 mil PETG / 2 mil PCTFE                           |
|--|--|---|
| Construction                                       |  |   |
| Color  | Clear tint                                   | Clear tint  |
| Haze   | 3%   | 3%  |
| Specific Gravity                                   | 1,35 g / cm <sup>3</sup>                     | 1.35 g / cm <sup>3</sup>                            |
| Total Thickness                                    | 559µ   | 0.022"  |
| Thickness tolerance                                | ± 10%  | ± 10%   |
| Maximum roll width                                 | 1,1 m  | 42"   |
| Roll width tolerance                               | ± 1,5 mm                                     | ± 1/16"   |
| Yield  | 1,32 m <sup>2</sup> / kg                     | 931 in <sup>2</sup> / lb                            |
| <b>Mechanical</b>                                  |  |   |
| Tensile Strength                                   | 45 x 10 <sup>6</sup> N / m <sup>2</sup>      | 6500 psi  |
| <b>Thermal</b>                                     |  |   |
| Dimensional Stability                              | ± 4% (30min minutes @ 140°C)                 | ± 4% (30min minutes @ 284°F)                        |
| Thermoforming Range                                | 100 – 160°C                                  | 212 – 320°F   |
| <b>Barrier</b>                                     |  |   |
| Moisture Vapor Transmission Rate<br>(38°C, 90% RH) | 0,11 g / m <sup>2</sup> / 24 hrs             | 0.007 g / 100 in <sup>2</sup> / 24 hrs              |
| Oxygen Transmission Rate<br>(23°C, 100% RH)        | 14 cm <sup>3</sup> / m <sup>2</sup> / 24 hrs | 0.90 cm <sup>3</sup> / 100 in <sup>2</sup> / 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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