

*Thermoformable, Pharmaceutical-Grade PVC / PVdC film.*

*Tekni-Plex offers a wide range of PVC-based film structures to meet both performance and cost requirements.*

## Typical Physical Properties

### General

|                      |  |  |
|----------------------|--|--|
| Construction         | 250 $\mu$ PVC / 40 g per m <sup>2</sup> PVdC | 9.8 mil PVC / 40 g per m <sup>2</sup> PVdC |
| Color                | Amber  | Amber                                      |
| Haze                 | 5%   | 5%   |
| Specific Gravity     | 1,41 g / cm <sup>3</sup>                     | 1.41 g / cm <sup>3</sup>                   |
| Total Thickness      | 273 $\mu$                                    | 0.0107"                                    |
| Thickness tolerance  | $\pm$ 7%                                     | $\pm$ 7%                                   |
| Maximum roll width   | 1,3 m  | 51"  |
| Roll width tolerance | $\pm$ 1 mm                                   | $\pm$ 1/25"                                |
| Nominal Yield        | 2,597 m <sup>2</sup> / kg                    | 1826 in <sup>2</sup> / lb                  |

### Mechanical

|                  |  |          |
|------------------|--|----------|
| Tensile Strength | 37,92 x 10 <sup>6</sup> N / m <sup>2</sup> | 5500 psi |
|------------------|--|----------|

### Thermal

|                       |                               |                               |
|-----------------------|-------------------------------|-------------------------------|
| Dimensional Stability | $\pm$ 4% (30 minutes @ 140°C) | $\pm$ 4% (30 minutes @ 284°F) |
| Thermoforming Range   | 100 – 160°C                   | 212 – 320°F                   |

### Barrier

|   |  |  |
|---|--|--|
| Moisture Vapor Transmission Rate (38°C, 90% RH) | 0,65 g / m <sup>2</sup> / 24 hrs               | 0.042 g / 100 in <sup>2</sup> / 24 hrs               |
| Oxygen Transmission Rate (23°C, 50% RH)         | 0,65 cm <sup>3</sup> / m <sup>2</sup> / 24 hrs | 0.042 cm <sup>3</sup> / 100 in <sup>2</sup> / 24 hrs |

*Manufactured under Industry Accepted standards for cGMP. Film 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 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