

TekniMD® PX

High-performance thermoformable copolyester film



TekniMD® PX is a high-performance, thermoformable copolyester film developed as a performance-oriented alternative to PETG for medical device packaging applications.



Overview

The medical device industry continues to face revenue and profitability challenges due to increased R&D expenses, growing competition and other factors. Companies like yours also are trying to implement sustainability initiatives without adding cost to the bottom line. Tekni-Plex recognizes these challenges and has responded by developing the TekniMD® PX film line as a cost-effective, alternative to PETG.

PX films are available in a monolayer film (PX), suited for form, fill, and seal applications and PX MED, a mono film with superior denesting characteristics. Accelerated aging (5.5 years) via third party testing has proven that PX MED denests as well as silicone-coated PETG, while still maintaining seal integrity.

For moisture and oxygen barrier properties or as Barex alternative, standard laminated structures containing Aclar® (PXA) or EVOH (PXPO) are available. Custom structures can also be engineered.

For additional information, please visit www.tekni-films.com.

Advantages

Direct replacement for PETG.

Equivalent impact resistance, tension, elongation properties. No tooling modifications needed. Reduced cost.

Clarity. Exceptional.

Wide processing window. Lower temperatures (than PETG) minimize energy costs; higher settings to achieve faster cycle times.

Business continuity. All raw material components are dual sourced globally and backup extrusion sites are validated

Recyclable. Resin code "1". Same recycling stream as carbonated soft drink and water bottles

Sterilization. EtO, electron beam or gamma radiation.

Performance. Backed by extensive testing.

Grade	Description	PX Thickness	Colors
TekniMD® PX	Copolyester film	7 – 59 mil 178 – 1499 µ	Clear; blue tint
TekniMD® PX MED	Copolyester film with superior denesting	7 – 59 mil 178 – 1499 µ	Clear; blue tint

TekniMD® PX film products meet all US and European Standards for food contact compliance and European Pharmacopeia 3.1.15. The films meet all relevant ISO standards, such as ISO 11607-1, ISO 10993-5, and -10 and also meets USP Class VI standards (USP<88>)

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