



TekniMD® PX MED medical sheet series has superior denesting characteristics and is designed for use in small/medium/large thermoformed trays for medical device packaging applications and is suitable to withstand Ethylene Oxide (ETO), Electron Beam (E-Beam) Radiation, and Gamma (γ) Radiation sterilization methods. This product is compliant with the applicable FDA and EU direct food contact regulations and meets the appropriate USP and EP standards. Both sheet surfaces are glossy and smooth.

Typical Physical Properties

General	METRIC	ENGLISH
Construction	PX MED	PX MED
Available Thickness	178 ~ 1499 μm	7 ~ 59 mil
Thickness Tolerance	$\pm 5\%$	$\pm 5\%$
Color	Clear or Blue Tint	Clear or Blue Tint
Haze	< 3% (clear)	< 3% (clear)
Density	1,33 g / cm^3	83.0 lbs / ft^3
Maximum Roll Width	1,45 m	57"
Basis Weight	1,33 x Thickness (in μm) g / m^2	20.757 x Thickness (in mil) lbs/ream
Yield	$(751,9 \pm 75,2) \div$ Thickness (in μm) m^2 / kg	$(20,812 \pm 2,081) \div$ Thickness (in mil) in^2 / lb
Mechanical		
Tensile Strength	$58,6 \times 10^6 \text{ N} / \text{m}^2$	8,500 psi
Thermal		
Thermoforming Range	100 – 140 °C	212 – 284 °F
Barrier		
WVTR (38 °C, 90% RH)	$1575 \div$ Thickness (in μm) g / m^2 / 24 hrs	$4.0 \div$ Thickness (in mil) g / 100 in^2 / 24 hrs
OTR (23 °C, 50% RH)	$3819 \div$ Thickness (in μm) cm^3 / m^2 / 24 hrs	$9.7 \div$ Thickness (in mil) cm^3 / 100 in^2 / 24 hrs

Storage Conditions and Expected Product Life: It is recommended to store the rolls (reels) in their original packaging between 15 °C to 35 °C (59 °F to 95 °F) and 30% to 70% RH. The expected product life is 2 years after date of manufacture on label.

Regulatory Compliance: PX MED film is manufactured under Industry Accepted Standards for cGMP and composed of ingredients in compliance with existing regulations of the FDA. This film meets the requirements for a USP Class VI plastic.

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