



TekniMD® PXA films consist of a lamination of TekniMD® PX, a proprietary copolyester film, and Aclar® film. The laminate is designed for thermoformable medical device tray applications requiring barrier to moisture. This product can be sterilized with Ethylene Oxide (ETO), Electron Beam (E-Beam) Radiation, and Gamma Radiation methods. This product is compliant with FDA and EU food contact regulations and meets the appropriate USP and EP standards.

TEKNIMD®	Construction		WVTR 38°C, 90% RH (g/m²/d)	WVTR 38°C, 90% RH (g/100in²/d)	OTR 23°C, 50% RH (cm³/m²/d)	OTR 23°C, 50% RH (cm³/100in²/d)
PXA3060	762 µm PX / 15 µm PCTFE	30 mil PX / 0.6 mil PCTFE	0,36	0.023	4,6	0.3
PXA3080	762 µm PX / 20 µm PCTFE	30 mil PX / 0.8 mil PCTFE	0,27	0.017	4,5	0.29
PXA3090	762 µm PX / 23 µm PCTFE	30 mil PX / 0.9 mil PCTFE	0,24	0.015	4,5	0.29
PXA4060	1.016 µm PX / 15 µm PCTFE	40 mil PX / 0.6 mil PCTFE	0,36	0.023	3,5	0.23
PXA4080	1.016 µm PX / 20 µm PCTFE	40 mil PX / 0.8 mil PCTFE	0,27	0.017	3,4	0.22
PXA4090	1.016 µm PX / 23 µm PCTFE	40 mil PX / 0.9 mil PCTFE	0,24	0.015	3,4	0.22
PXA5060	1.270 µm PX / 15 µm PCTFE	50 mil PX / 0.6 mil PCTFE	0,36	0.023	2,8	0.18
PXA5080	1.270 µm PX / 20 µm PCTFE	50 mil PX / 0.8 mil PCTFE	0,27	0.017	2,8	0.18
PXA5090	1.270 µm PX / 23 µm PCTFE	50 mil PX / 0.9 mil PCTFE	0,24	0.015	2,7	0.17
PXA30170	762 µm PX / 43 µm PCTFE	30 mil PX / 1.7 mil PCTFE	0,15	0.01	4,3	0.28
PXA30200	762 µm PX / 51 µm PCTFE	30 mil PX / 2.0 mil PCTFE	0,11	0.007	4,2	0.27
PXA30300	762 µm PX / 76 µm PCTFE	30 mil PX / 3.0 mil PCTFE	0,074	0.005	4	0.26
PXA30400	762 µm PX / 102 µm PCTFE	30 mil PX / 4.0 mil PCTFE	0,054	0.003	3,8	0.25
PXA30540	762 µm PX / 137 µm PCTFE	30 mil PX / 5.4 mil PCTFE	0,04	0.003	3,5	0.23
PXA30600	762 µm PX / 152 µm PCTFE	30 mil PX / 6.0 mil PCTFE	0,037	0.002	3,5	0.23
PXA36400	914 µm PX / 102 µm PCTFE	36 mil PX / 4.0 mil PCTFE	0,054	0.003	3,3	0.21
PXA40170	1.016 µm PX / 43 µm PCTFE	40 mil PX / 1.7 mil PCTFE	0,15	0.01	3,3	0.21
PXA40200	1.016 µm PX / 51 µm PCTFE	40 mil PX / 2.0 mil PCTFE	0,11	0.007	3,2	0.21
PXA40300	1.016 µm PX / 76 µm PCTFE	40 mil PX / 3.0 mil PCTFE	0,074	0.005	3,1	0.2
PXA40400	1.016 µm PX / 102 µm PCTFE	40 mil PX / 4.0 mil PCTFE	0,054	0.003	3	0.19

TEKNIMD®	Construction		WVTR 38°C, 90% RH (g/m²/d)	WVTR 38°C, 90% RH (g/100in²/d)	OTR 23°C, 50% RH (cm³/m²/d)	OTR 23°C, 50% RH (cm³/100in²/d)
PXA40540	1.016 µm PX / 137 µm PCTFE	40 mil PX / 5.4 mil PCTFE	0,04	0.003	2,8	0.18
PXA40600	1.016 µm PX / 152 µm PCTFE	40 mil PX / 6.0 mil PCTFE	0,037	0.002	2,8	0.18
PXA50170	1.270 µm PX / 43 µm PCTFE	50 mil PX / 1.7 mil PCTFE	0,15	0.01	2,7	0.17
PXA50200	1.270 µm PX / 51 µm PCTFE	50 mil PX / 2.0 mil PCTFE	0,11	0.007	2,6	0.17
PXA50300	1.270 µm PX / 76 µm PCTFE	50 mil PX / 3.0 mil PCTFE	0,074	0.005	2,6	0.17
PXA50400	1.270 µm PX / 102 µm PCTFE	50 mil PX / 4.0 mil PCTFE	0,054	0.003	2,5	0.16
PXA50550	1.270 µm PX / 137 µm PCTFE	50 mil PX / 5.4 mil PCTFE	0,04	0.003	2,4	0.15
PXA50600	1.270 µm PX / 152 µm PCTFE	50 mil PX / 6.0 mil PCTFE	0,037	0.002	2,3	0.15

Available in clear, white, blue tint. Alternative PX thicknesses are available upon request.

For additional information, please contact your sales representative or submit inquiries [here](#).

www.tekni-plex.com

DISCLAIMER: The information set forth in this datasheet is subject to change without notice and must be confirmed at time of purchase. No licenses, patent, or other intellectual property rights of Tekni-Plex or others are conveyed hereby. TEKNI-PLEX MAKES NO WARRANTY, EXPRESS OR IMPLIED, WITH RESPECT TO THIS INFORMATION AND DISCLAIMS ALL LIABILITY FROM RELIANCE ON IT. Tekni-Plex's only warranties for this product are those written warranties as may be agreed to by Tekni-Plex and its customers in a signed document. TEKNI-PLEX SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE PRODUCT, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE. Nothing herein shall constitute or imply any promise to enter into any business relationship.

TEKNIPLEX
Materials Science Solutions