

Medical Single Coated Film Tapes Selection Guide — Polyethylene

Properties ¹	Polyethylene						
	1503	1521	1523	1525L	1526	9865	9865A
1. Sterilization ² (G=Gamma; E=Ethylene Oxide)	G*, E	G*, E	G*, E	G*, E	G*, E	G*, E	G*, E
2. Hypoallergenic	Yes	Yes	Yes	Yes	Yes	Yes	Yes
3. Repeat/Chronic Skin Contact	No	Yes	No	Yes	No	Yes	Yes
4. Conformable (L=Low; M=Medium; H=High)	M	M	M	M	M	M	M
5. Fluid Resistance	Yes	Yes	Yes	Yes	Yes	Yes	Yes
6. Color	Tan	Trans	Blush Tan	Trans	Trans	Trans	Trans
7. Printable Backing	Yes	Yes	Yes	Yes	Yes	Yes	Yes
8. Printable Liner	Yes	Yes	Yes	Yes	Yes	Yes	Yes
9. Heat Sealable	Yes	Yes	Yes	Yes	Yes	Yes	Yes
10. Tear by Hand	No	No	No	No	No	No	No
11. MVTR gm/m ² /24 hr	None	None	None	Very Low	None	Very Low	Very Low
12. Porosity sec/100cc/in ²	None	None	None	None	None	None	None
13. Minimum Tensile	lbs/inch	5	8.0	5	5	5	5
	Newtons/25mm	22.2	35.6	22.2	22.2	22.2	22.2
14. Elongation percentage	400	400	400	200	450	200	200
15. Typical Adhesion/ Stainless Steel	oz/inch	41	21	41	18	28	20
	Newtons/25mm	11.4	5.8	11.4	5.0	7.8	5.6
16. Tape Caliper	mil	5	6.4	5	4.4	5	4.4
	millimeters	0.13	0.16	0.13	0.11	0.13	0.11
17. Adhesive Caliper	mil	1.4	1.4	1.4	1.4	1.4	0.8
	millimeters	0.04	0.04	0.04	0.04	0.03	0.04
18. Film Caliper	mil	3.6	5.0	3.6	3.0	3.6	3.0
	millimeters	0.09	0.13	0.09	0.08	0.09	0.08
19. Liner Caliper	mil	4.9	6	4.9	4.9	4.9	2.5
	millimeters	0.12	0.15	0.12	0.12	0.12	0.06
20. Liner Weight lbs/ream	63	83	63	63	63	63	54
21. Maximum Liner Release	gm/inch	50	30	50	40	50	30
	Newtons/25mm	0.49	0.29	0.49	0.39	0.49	0.39
22. Maximum Width	inches	48	48	48	48	48	48
	centimeters	122	122	122	122	122	122
23. Maximum Length	yards	500	360	500	500	500	1000
	meters	457	329	457	457	457	914
24. Approx. Roll Diameter	inches	15	15	15	15	15	21
	centimeters	38	38	38	38	38	53
25. Shelf Life years	2	2	2	2	2	2	2

¹ Properties listed are based on limited testing and for comparative purposes only. It is the customer's responsibility to determine the final suitability of our products for use in their application.

² Recommended suitability based on the processability of product through typical sterilization conditions.

* Reduced adhesion levels and increased liner release may occur after gamma irradiation.

Table Revised July 2011

Medical Single Coated Film Tapes Selection Guide — Polyolefin Blends

Properties ¹	Polyolefin			
	1527	1527LX	1527ENP	9835
1. Sterilization ² (G=Gamma; E=Ethylene Oxide)	G*, E	G*, E	G*, E	G*, E
2. Hypoallergenic	Yes	Yes	Yes	Yes
3. Repeat/Chronic Skin Contact	No	No	No	Yes
4. Conformable (L=Low; M=Medium; H=High)	M	M	M	M
5. Fluid Resistance	No	No	Yes	Yes
6. Color	Trans	Trans	Trans	White
7. Printable Backing	No	No	No	No
8. Printable Liner	N/A	Yes	Yes	Yes
9. Heat Sealable	Yes	Yes	Yes	Yes
10. Tear by Hand	Yes	Yes	No	No
11. MVTR	gm/m ² /24 hr	6200	~120	Very Low
12. Porosity	sec/100cc/in ²	<1	Very Low	None
13. Minimum Tensile	lbs/inch	3	3	3
	Newtons/25mm	13.3	13.3	13.3
14. Elongation	percentage	50	70	50
15. Typical Adhesion/ Stainless Steel	oz/inch	25	40	25
	Newtons/25mm	6.9	11.1	6.9
16. Tape Caliper	mil	6.8	7.4	7.4
	millimeters	0.17	0.19	0.19
17. Adhesive Caliper	mil	1.8	1.8	1.8
	millimeters	0.05	0.05	0.05
18. Film Caliper	mil	4.2 ³	4.8 ³	4.8 ³
	millimeters	0.11 ³	0.12 ³	0.12 ³
19. Liner Caliper	mil	N/A	6	4.9
	millimeters	N/A	0.15	0.12
20. Liner Weight	lbs/ream	N/A	83	63
21. Maximum Liner Release	gm/inch	N/A	30	30
	Newtons/25mm	N/A	0.29	0.29
22. Maximum Width	inches	48	48	48
	centimeters	122	122	122
23. Maximum Length	yards	600	350	350
	meters	549	320	320
24. Approx. Roll Diameter	inches	14	14.6	14.6
	centimeters	36	37	37
25. Shelf Life	years	2	2	2

¹ Properties listed are based on limited testing and for comparative purposes only. It is the customer's responsibility to determine the final suitability of our products for use in their application.

² Recommended suitability based on the processability of product through typical sterilization conditions.

³ Pre-perforated film caliper.

* Reduced adhesion levels and increased liner release may occur after gamma irradiation.

Table Revised October 2013

Single Coated Polyethylene/Polyolefin Tapes

