

Medical Double Coated Tapes & Transfer Adhesive Selection Guide — Part 1

Properties ¹	Polyethylene					Polyester NW	
	1509	1510	1522	9874	9889	9917	
1. Sterilization ² (G=Gamma; E=Ethylene Oxide; S=Steam Autoclave)	G, E	G, E	G*, E	G*, E	G, E	G*, E	
2. Hypoallergenic	Yes	No	Yes	Yes	Yes	Yes	
3. Repeat Skin Contact	No	No	Yes	Yes	No	Yes	
4. Conformable (L=Low; M=Medium; H=High)	M	H	M	M	M	H	
5. Fluid Resistance	Yes	Yes	Yes	Yes	Yes	No	
6. Typical Tensile MD	lbs/inch	4.5	1.8	4.5	4.5	4.5	17
	Newtons/25mm	20	8	20	20	20	75
7. Elongation	percentage	200	800	200	200	200	30
8. Typical Adhesion/(Faceside) Stainless Steel	oz/inch	53	45 LDPE	25	19	53	27/23
	Newtons/25mm	14.7	12.5	7	5.3	14.7	7.5/6.4
9. Tape Caliper without Liner	mil	4.9	3.8	6.3	4.9	4.9	12
	millimeters	0.12	0.10	0.16	0.12	0.12	0.3
10. Adhesive Coating (each side)	mil	0.95	1.4	1.65	0.95	0.95	1.4
	millimeters	0.02	0.04	0.04	0.02	0.02	0.04
11. Carrier Caliper	mil	3.0	1.0	3.0	3.0	3.0	12
	millimeters	0.08	0.03	0.08	0.08	0.08	0.3
12. Liner Caliper	mil	4.5	3.2	4.5	3.6	3.5	3.6
	millimeters	0.11	0.08	0.11	0.09	0.09	0.09
13. Liner Weight	lbs/ream	80	54	80	60	60	62
14. Maximum Liner Release	gm/inch	50	40	30	30	50	55
	Newtons/25mm	0.49	0.39	0.29	0.29	0.49	0.54
15. Maximum Width	inches	48	27	48	48	48	48
	centimeters	122	69	122	122	122	122
16. Maximum Length	yards	600	360	550	700	700	400
	meters	548	329	503	640	640	366
17. Approx. Roll Diameter	inches	17	13.5	17	17	17	17
	centimeters	43	34	43	43	43	43
18. Shelf Life	years	2	2	3	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 November 2012

Medical Double Coated Tapes & Transfer Adhesive Selection Guide — Part 2

Properties ¹	Polyester Carrier						Transfer Adhesive			
	1513	1567	1577	1587	1597	9877	1504XL	1524	1524A	
1. Sterilization ² (G=Gamma; E=Ethylene Oxide; S=Steam Autoclave)	G, E, S	G, E	G, E, S	G, E	G, E	G, E, S	G*, E	G, E, S	G, E, S	
2. Hypoallergenic	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
3. Repeat Skin Contact	No	No	No	Yes	Yes	No	No	No	No	
4. Conformable (L=Low; M=Medium; H=High)	L	L	L	L	L	L	M	H	H	
5. Fluid Resistance	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	
6. Typical Tensile MD	lbs/inch	20	20	20	20	20	N/A	N/A	N/A	
	Newtons/25mm	89	89	89	89	89	N/A	N/A	N/A	
7. Elongation	percentage	135	135	135	135	135	N/A	N/A	N/A	
8. Typical Adhesion/(Faceside) Stainless Steel	oz/inch	61	175	A/SR 48/100	A/SR 20/100	A/SR 40/175	120	200	80	80
	Newtons/25mm	17	48.6	13/28	6/28	11/48	33.4	55.6	22	22
9. Tape Caliper without Liner	mil	3.4	5	3.6	3.4	4.3	4.5	4.0	2.5	2.5
	millimeters	0.09	0.13	0.09	0.09	0.11	0.11	0.10	0.06	0.06
10. Adhesive Coating (each side)	mil	1.2	2	1.4	1/1.4	1.7/1.7	1.75	4.0	2.5	2.5
	millimeters	0.03	0.05	0.04	0.03/0.04	0.04/0.04	0.04	0.10	0.06	0.06
11. Carrier Caliper	mil	0.92	0.92	0.92	0.92	0.92	0.92	N/A	N/A	N/A
	millimeters	0.02	0.02	0.02	0.02	0.02	0.02	N/A	N/A	N/A
12. Liner Caliper	mil	4.5	3.5	3.5	3.5	3.5	3.6	3.6	3.0	4.5
	millimeters	0.11	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.11
13. Liner Weight	lbs/ream	80	60	60	60	60	62	62	54	78
14. Maximum Liner Release	gm/inch	50	70	70	70	70	70	70	29	40
	Newtons/25mm	0.49	0.69	0.69	0.69	0.69	0.69	0.69	0.28	0.39
15. Maximum Width	inches	48	48	48	48	48	48	6	48	48
	centimeters	122	122	122	122	122	122	15	122	122
16. Maximum Length	yards	700	700	700	700	700	700	600	400	400
	meters	640	640	640	640	640	640	549	366	366
17. Approx. Roll Diameter	inches	17	17	17	17	17	17	15	12	13
	centimeters	43	43	43	43	43	43	38	31	33
18. Shelf Life	years	2	2	2	2	TBD	2	2	2	

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