

Medical Nonwoven and Fabric Tapes Selection Guide — Polyurethane Nonwovens and Fabric Tape

Properties ¹	Polyurethane Nonwovens				Rayon Acetate Woven Fabric	
	9904	9907T [†]	9907W [†]	9907HTW [†]	1538	1538L
1. Sterilization ² (G=Gamma; E=Ethylene Oxide)	E	E	E	E	G*, E	G*, E
2. Hypoallergenic	Yes	Yes	Yes	Yes	Yes	Yes
3. Repeat Skin Contact	No	Yes	Yes	No	Yes	Yes
4. Conformable (L=Low; M=Medium; H=High)	H	H	H	H	L	L
5. Fluid Resistance	No	No	No	No	No	No
6. Color	Tan	Tan	White	White	White	White
7. Printable Backing	Yes	Yes	Yes	Yes	No	No
8. Printable Liner	No	Yes	Yes	No	No	No
9. Heat Sealable	No	Yes	Yes	Yes	No	No
10. Tear by hand	No	No	No	No	Yes	Yes
11. MVTR gm/m ² /24 hr	500	8000	8000	500	400	400
12. Typical Porosity sec/100cc/in ²	170	0.7	0.7	170	140	140
13. Typical Tensile, MD/CD	lbs/inch	3.0	2.8/1.6	2.8/1.6	30.1/17	30.1/17
	Newtons/25mm	13.4	12.5/7.1	12.5/7.1	134/75.6	134/75.6
14. Elongation percentage	400	300	300	300	None	None
15. Typical Adhesion/ Stainless Steel	oz/inch	44	35	35	44	33
	Newtons/25mm	12.2	9.7	9.7	12.2	9.2
16. Tape Caliper without Liner	mil	11	10	10	11	8
	millimeters	0.28	0.25	0.25	0.28	0.20
17. Liner Caliper	mil	3.5	4.5	4.5	3.5	N/A
	millimeters	0.09	0.11	0.11	0.09	N/A
18. Liner Weight lbs/ream	60	54	54	60	N/A	83
19. Maximum Liner Release	gm/inch	200	200	200	200	N/A
	Newtons/25mm	1.96	1.96	1.96	1.96	N/A
20. Maximum Width	inches	50	50	50	50	48
	centimeters	127	127	127	127	122
21. Maximum Length	yards	250	410	410	500	500
	meters	228	375	375	457	457
22. Approx. Roll Diameter	inches	12	16	16	16	14
	centimeters	30.5	41	41	41	36
23. Shelf Life years	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. It is the customer's responsibility to determine the final suitability of our products for use in their application.

† Restricted for use as a component in certain product applications.

Table Revised August 2013