

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 | 2.8/1.6 | 30.1/17 |
| | Newtons/25mm | 13.4 | 12.5/7.1 | 12.5/7.1 | 12.5/7.1 | 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