

Diagnostic Tapes & Films Selection Guide — Part 1

| Properties ¹ | 9792R | 9793R | 9795R | 9964 | 9965 | |
|---|--------------|---------------|---------------|-------------------|-----------------|------------------|
| 1. Sterilization ^{2,3} (G=Gamma; E=Ethylene Oxide) | G, E, E-Beam | E, E-Beam | N/A | G, E | G, E | |
| 2. Backing Type | Aluminum | Polypropylene | Polypropylene | Polyester | White Polyester | |
| 3. Printable Backing | Yes | No | No | Yes | No | |
| 4. Fluid Resistance | Yes | Yes | Yes | Yes | Yes | |
| 5. Conformable (L=Low; M=Medium; H=High) | H | M | M | M | M | |
| 6. Color | Silver | Transparent | Transparent | Transparent | White | |
| 7. Light Transmission | percentage | 0 | > 90 | 90 | Low | |
| 8. Haze Level | percentage | N/A | < 10 | < 2 | N/A | |
| 9. Clarity | percentage | N/A | > 80 | > 95 | N/A | |
| 10. Typical Tensile Strength, MD | lbs/inch | 16 | 40 | 40 | 40 | |
| | Newtons/25mm | 71 | 178 | 178 | 178 | |
| 11. Typical Elongation | percentage | 8 | 186 | 180 | 220 | |
| 12. Typical Adhesion, Stainless Steel | oz/inch | 41 | 25 | 35 min | 15 min | 10 min |
| | Newtons/25mm | 11.4 | 7.0 | 9.7 min | 4.2 min | 2.8 min |
| 13. Tape or Product Caliper | mil | 2.5 | 3.2 | 4.0 | 2.5 | 3.4 |
| | millimeters | 0.06 | 0.08 | 0.10 | 0.06 | 0.09 |
| 14. Adhesive Caliper | mil | 1.1 | 1.2 | 2.0 | 0.5 | 0.7 (both sides) |
| | millimeters | 0.03 | 0.03 | 0.05 | 0.01 | 0.02 |
| 15. Backing Caliper | mil | 1.4 | 2.0 | 2.0 | 2.0 | 2.0 |
| | millimeters | 0.04 | 0.05 | 0.05 | 0.05 | 0.05 |
| 16. Liner Caliper | mil | 4.6 | 4.9 | 2.0 | 2.0 | 2.0 (both sides) |
| | millimeters | 0.12 | 0.12 | 0.05 | 0.05 | 0.05 |
| 17. Liner Weight | lbs/ream | 61 | 63 | Polyester Film | Polyester Film | Polyester Film |
| 18. Max Liner Release or Unwind | gm/inch | 50 | 50 | 30 | 20 | 20 |
| | Newtons/25mm | 0.49 | 0.49 | 0.3 | 0.2 | 0.2 |
| 19. Maximum Width | inches | 42 | 48 | 48 | 48 | 48 |
| | centimeters | 106.7 | 122 | 122 | 122 | 122 |
| 20. Maximum Length | yards | 500 | 500 | 750 ⁴ | 350 | 350 |
| | meters | 457 | 457 | 675 ⁴ | 320 | 320 |
| 21. Maximum Roll Diameter | inches | 13.6 | 14 | 16 ⁴ | 9.5 | 12 |
| | centimeters | 34.5 | 35.5 | 40.6 ⁴ | 24.1 | 30.5 |
| 22. Shelf Life ³ | years | 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.

³ When stored in original packaging between 50–80°F (10–27°C) and 40–60% RH.

⁴ Dimensions listed are for rolls without extended liner only. Please consult with your 3M Account Manager for further information on additional options.

Table Revised November 2012

Diagnostic Tapes & Films Selection Guide — Part 2

| Properties ¹ | | Specialty Films | |
|---|--------------|-----------------|------------|
| | | 9960 | 9962 |
| 1. Sterilization ² (G=Gamma; E=Ethylene Oxide) | | G | G |
| 2. Hypoallergenic | | | |
| 3. Printable Backing | | Yes | Yes |
| 4. Fluid Resistance | | Yes | Yes |
| 5. Heat Sealable | | No | No |
| 6. Light Transmission | percentage | 90 | 92 |
| 7. Haze Level, maximum | percentage | 2.5 | 1.5 |
| 8. Color | | Clear | Clear |
| 9. Typical Tensile, MD | lbs/inch | 166 | 85 Minimum |
| | Newtons/25mm | 738 | 378 |
| 10. Elongation, minimum | percentage | 70 | 90 |
| 11. Film/Liner Caliper | mil | 6.8 | 3.9 |
| | millimeters | 0.17 | 0.10 |
| 12. Maximum Width | inches | 49 | 49 |
| | centimeters | 124.5 | 124.5 |
| 13. Maximum Length | yards | 1600 | 2600 |
| | meters | 1463 | 2377 |
| 14. Approx. Roll Diameter | inches | 22 | 21 |
| | centimeters | 56 | 53 |
| 15. Shelf Life | months | 14 | 14 |

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 is based on the processability of product through typical sterilization conditions. It is the customer's responsibility to determine the final suitability of our products for use in their application.

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