

# Diagnostic Tapes & Films Selection Guide — Part 1

Properties <sup>1</sup>	9792R	9793R	9795R	9964	9965	
1. Sterilization <sup>2,3</sup> (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 <sup>4</sup>	350	350
	meters	457	457	675 <sup>4</sup>	320	320
21. Maximum Roll Diameter	inches	13.6	14	16 <sup>4</sup>	9.5	12
	centimeters	34.5	35.5	40.6 <sup>4</sup>	24.1	30.5
22. Shelf Life <sup>3</sup>	years	2	2	2	2	2

<sup>1</sup> 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.

<sup>2</sup> Recommended suitability based on the processability of product through typical sterilization conditions. Reduced adhesion levels and increased liner release may occur after gamma irradiation.

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

<sup>4</sup> 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 <sup>1</sup>		Specialty Films	
		9960	9962
1. Sterilization <sup>2</sup> (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

<sup>1</sup> 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.

<sup>2</sup> 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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