



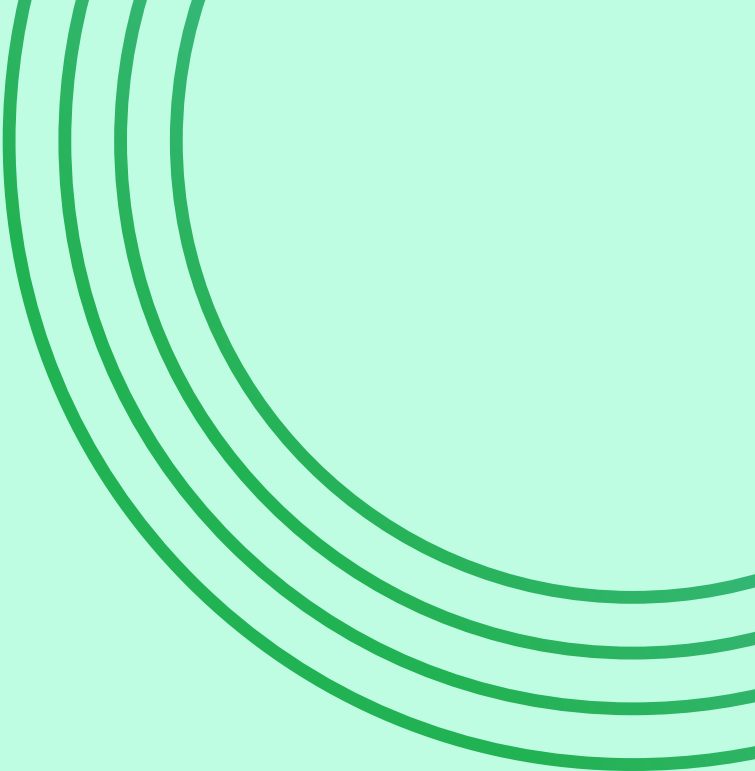
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Medical Technologies OEM

Product selection guide Microfluidics

For health care business-to-business markets designing
and building the next generation of medical devices



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Microfluidics Tapes

Microfluidics Tapes

3M™ Microfluidic Diagnostic Tape 9795R, Single Sided Clear Delayed Tack Adhesive Tape, Configurable

3M™ Microfluidic Diagnostic Tape 9795T, Silicone Adhesive on Clear PET Tape, 7 mil, Configurable

3M™ Microfluidic Diagnostic Tape 9795WT, Silicone Adhesive on White PET Tape, 7 mil, Configurable

3M™ Microfluidic Diagnostic Tape, 9980, Single Coated Aluminum Tape, 11 IN, 4 mil, Configurable

3M™ Microfluidic Diagnostic Tape, 9981, Silicone Adhesive on Bright Aluminum Foil Tape, 11 in, 2 mil, Configurable

3M™ Microfluidic Diagnostic Tape, 9982R, Silicone Adhesive on Clear PET Tape, 0.98 mil, Configurable

3M™ 9969 Diagnostic Microfluidic Adhesive Transfer Medical Tape

3M™ Microfluidic Diagnostic Tape 9972A, Double Sided Thick Spacer Tape, Configurable

3M™ Microfluidic Diagnostic Tape 9793R, Single Sided Clear Polyolefin Tape, Configurable

3M™ Microfluidic Diagnostic Tape 9792R, Single Sided Aluminum Tape, Configurable



Scan QR code and complete the form to re-order replacement samples.

Properties ¹	9795R	9795T	9795WT	9980	9981	9982
Tape Type	Single Coat Tape	Single Coat	Single Coat	Single Coat	Single Coat	Single Coat
Category	Diagnostic Tape	Diagnostic Tape	Diagnostic Tape	Diagnostic Tape	Diagnostic Tape	Diagnostic Tape
ISO:10993 Biocompatible	non-reactive / non-hemolytic	non-reactive / non-hemolytic	non-reactive / non-hemolytic	non-reactive / non-hemolytic	non-reactive / non-hemolytic	non-reactive / non-hemolytic
Adhesive Type	Silicone Delayed Tack	Silicone Delayed Tack	Silicone Delayed Tack	Silicone	Silicone	Silicone
Color	Clear	Clear	White	Aluminum	Aluminum	Clear
Typical Adhesion, Stainless Steel oz/in	55.2	98.0	16.2	-	-	76.5
Typical Adhesion, Stainless Steel N/cm	6.0	10.7	1.8	-	-	8.3
Typical Adhesion, Glass oz/in	-	97.0	-	200.0	164.00	74
Typical Adhesion, Glass N/cm	-	10.6	-	21.8	17.9	8.1
Typical Adhesion, Polypropylene oz/in	38.6	-	-	-	-	75.7
Typical Adhesion, Polypropylene N/cm	4.21	-	-	-	-	8.25
Tape Caliper w/o liner mil	4	8.9	8.9	6	4	2.92
Tape Caliper w/o liner um	102	226	226	152	102	74
Transmission %	94.6	89.5	NA	NA	NA	87.2
Haze %	12	15	NA	NA	NA	4.8
Clarity %	92.7	-	NA	NA	NA	98
Autofluorescence	A - Best	C - Good	NA	A - Best	A - Best	B- Better
Adhesive Coating mil	2	2	2	2	2	2
Adhesive Coating um	51	51	51	51	51	51
Film / Backing / Liner Caliper mil	6	10.9	10.9	8	6	4.92
Film / Backing / Liner Caliper um	152	277	277	203	152	125
Liner Caliper mil	2	2	2	2	2	2
Liner / Carrier Caliper um	51	51	51	51	51	51
Liner Type	Polyester - White	Polyester - White	Polyester - White	Polyester - Clear	Polyester - Clear	Polyester - Clear
Typical Liner Release g/in	7.6	20	7.5	60	60	60
Typical Liner Release N/cm	0.03	0.08	0.03	0.24	0.24	0.24
Maximum Width in	48	48	48	11	11	11
Maximum Width cm	122	122	122	28	28	28
Maximum Length yd	750	550	550	300	300	500
Maximum Length m	686	503	503	274	274	457
Shelf Life Months	24	24	24	24	24	24

¹ Properties listed are based on limited testing and for comparative purposes only. It is the responsibility of our customers to determine the final suitability of our products for their application.

9969	9972A	9793R	9792R
Transfer Tape	Double Coat	Single Coat	Single Coat
Diagnostic Tape	Diagnostic Tape	Diagnostic Tape	Diagnostic Tape
non-reactive / non-hemolytic	non-reactive / non-hemolytic	non-reactive / non-hemolytic	non-reactive / non-hemolytic
Acrylic	Acrylic	Acrylic	Acrylic
Clear	White	Clear	Aluminum
29.3	15.0	22.0	27.9
3.2	1.6	2.4	3.0
-	-	-	-
-	-	-	-
7.7	-	20.3	29.3
0.84	-	2.21	3.19
1	8.3	3.2	2.5
25	211	81	64
88.6	NA	93.8	NA
11.4	NA	8.9	NA
84.9	NA	80.8	NA
A - Best	NA	A - Best	A - Best
1	0.7	1.2	1.1
25	18	30	28
5	12.3	8.1	7.1
127	312	206	180
2	2	4.9	4.6
51	51	124	117
Polyester - Clear	Polyester - Clear	Silicone Coated Paper	Silicone Coated Paper
16.9	20	50	10
0.07	0.08	0.20	0.04
48	48	48	42
122	122	122	107
1640	1500	500	500
1499	1371	457	457
24	24	24	24



Microfluidics Films

Microfluidics Films

3M™ Microfluidic Diagnostic Film 9962, Thin Double Sided Hydrophilic Film, Configurable

3M™ 9984 Diagnostic Microfluidic Surfactant Free Fluid Transport Film, Configurable

3M™ Microfluidic Diagnostic Hydrophilic Film, 9901PB

3M™ Microfluidic Diagnostic Hydrophilic Film, 9938

3M™ Medical Diagnostic Microfluidic Hydrophilic Film 9902PB, Single Sided with Blue Premask



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Properties ¹	9962	9984	9901PB	9938	9902PB
Tape Type	Single Coat Film	Single Coat Film	Single Coat Film with Blue Masking Film	Double Coat Film	Single Coat Film with Blue Masking Film
Category	Hydrophilic Film	Hydrophilic Film	Hydrophilic Film	Hydrophilic Film	Hydrophilic Film
ISO:10993 Biocompatible	non-reactive / non-hemolytic	non-reactive / non-hemolytic	non-reactive / non-hemolytic	non-reactive / non-hemolytic	non-reactive / non-hemolytic
Adhesive Type	Surfactant Coating	Surfactant-free coating	Surfactant Coating	Surfactant Coating with backside treatment	Surfactant Coating
Color	Clear	Clear	Clear	Clear	Clear
Typical Tensile MD lb/in	85	85	85	85	147
Typical Tensile MD N/cm	149	149	149	149	257
Typical Tensile CD lb/in	104	104	85	85	147
Typical Tensile CD N/cm	182	182	149	149	257
Elongation (MD/CD) %	90/60	90/60	80/80	80/80	80/80
Heat Shrinkage % 15 min @ 150 C	1.1	0.7	2.0 / 0.5	2.0 / 0.5	2.0 / 0.5
Contact Angle deg	-	< 20	-	-	-
Wet Index	36	-	36	36	36
Tape Caliper w/o liner mil	4	4	4	4	6.9
Tape Caliper w/o liner um	102	102	102	102	175
Transmission %	> 85	> 90	-	-	-
Haze %	-	-	5	5	5
Clarity %	-	-	-	-	-
Autofluorescence	B - Good	B - Good	B - Good	B - Good	-
Adhesive Coating mil	NA	NA	NA	NA	NA
Adhesive Coating um	NA	NA	NA	NA	NA
Film / Backing / Liner Caliper mil	NA	NA	5.9	3.9	7.9
Film / Backing / Liner Caliper um	NA	NA	150	99	201
Liner Caliper mil	NA	NA	2	NA	2
Liner / Carrier Caliper um	NA	NA	51	NA	51
Liner Type	NA	NA	blue pre-mask	NA	blue pre-mask
Typical Liner Release g/in	NA	NA	NA	NA	NA
Typical Liner Release N/cm	NA	NA	NA	NA	NA
Maximum Width in	49	49	48.4	40.9	48.4
Maximum Width cm	124	124	123	104	123
Maximum Length yd	1500	1500	766	875	360
Maximum Length m	1371	1371	700	800	329
Shelf Life Months	14	24	24	24	24

1 Properties listed are based on limited testing and for comparative purposes only. It is the responsibility of our customers to determine the final suitability of our products for their application.



Visit [FindMyAdhesive.com](https://www.findmyadhesive.com) to learn more

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