

# Medical Foam Tapes Selection Guide

| Properties <sup>1</sup>                                   | Polyethylene     |                  |                              |                  | PVC              |                  |                  |                  |           |
|---|------------------|------------------|------------------------------|------------------|------------------|------------------|------------------|------------------|-----------|
|   | 1772             | 1773             | 1774                         | 9776             | 9777L            | 9780             | 9781             | 9785             |           |
| 1. Cell Structure   | Closed           | Closed           | Closed                       | Closed           | Closed           | Closed           | Closed           | Closed           |           |
| 2. Sterilization <sup>2</sup> (G=Gamma; E=Ethylene Oxide) | G*, E            | G*, E            | G*, E                        | G*, E            | G*, E            | G*, E            | G*, E            | G*, E            |           |
| 3. Hypoallergenic   | Yes              | Yes              | Yes                          | Yes              | Yes              | Yes              | Yes              | Yes              |           |
| 4. Repeat Skin Contact                                    | No               | Yes              | Yes                          | Yes              | Yes              | Yes              | Yes              | Yes              |           |
| 5. Conformable (L=Low; M=Medium; H=High)                  | L                | M                | H                            | M                | M                | H                | H                | H                |           |
| 6. Fluid Resistance                                       | Yes              | Yes              | Yes                          | Yes              | Yes              | Yes              | Yes              | Yes              |           |
| 7. Color  | White            | White            | Tan (1774T)<br>White (1774W) | Tan              | Ivory            | Blue             | Ivory            | Tan              |           |
| 8. Printable Backing                                      | Yes <sup>3</sup> | Yes <sup>3</sup> | Yes <sup>3</sup>             | Yes <sup>3</sup> | Yes <sup>3</sup> | Yes <sup>3</sup> | Yes <sup>3</sup> | Yes <sup>3</sup> |           |
| 9. Printable Liner  | Yes              | Yes              | Yes                          | Yes              | Yes              | Yes              | Yes              | Yes              |           |
| 10. Heat Sealable   | Yes              | Yes              | Yes                          | Yes              | Yes              | Yes              | Yes              | Yes              |           |
| 11. Tear by Hand  | Yes              | Yes              | Yes                          | Yes              | Yes              | Yes              | Yes              | Yes              |           |
| 12. MVTR gm/m <sup>2</sup> /24 hr                         | None             | None             | None                         | None             | Very Low         | Very Low         | Very Low         | Very Low         |           |
| 13. Porosity sec/100cc/in <sup>2</sup>                    | None             | None             | None                         | None             | None             | None             | None             | None             |           |
| 14. Minimum Tensile, MD                                   | lbs/inch         | 4                | 4                            | 3                | 3.5              | 3.8              | 3.8              | 3.8              | 3.8       |
|   | Newtons/25mm     | 17.8             | 17.8                         | 13.3             | 15.6             | 16.9             | 16.9             | 16.9             | 16.9      |
| 15. Elongation, minimum percentage                        | 220              | 220              | 300                          | 250              | 150              | 150              | 150              | 150              |           |
| 16. Typical Adhesion/<br>Stainless Steel, minimum         | oz/inch          | 69               | 36                           | 24               | 36               | 8                | 8                | 8                | 8         |
|   | Newtons/25mm     | 19.2             | 10                           | 6.7              | 10               | 2.2 (Min)        | 2.2 (Min)        | 2.2 (Min)        | 2.2 (Min) |
| 17. Foam Caliper  | mil              | 62.5             | 31.3                         | 20               | 31.3             | 32               | 20               | 20               | 20        |
|   | millimeters      | 1.6              | 0.8                          | 0.5              | 0.8              | 0.8              | 0.5              | 0.5              | 0.5       |
| 18. Typical Tape Caliper<br>without Liner                 | mil              | 65               | 34                           | 22               | 34               | 34               | 22.5             | 22.5             | 22.5      |
|   | millimeters      | 1.7              | 0.9                          | 0.6              | 0.9              | 0.9              | 0.6              | 0.6              | 0.6       |
| 19. Liner Caliper   | mil              | 6                | 6                            | 4.6              | 5.5              | 4.0              | 4.0              | 4.0              | 4.0       |
|   | millimeters      | 0.15             | 0.15                         | 0.12             | 0.14             | 0.1              | 0.1              | 0.1              | 0.1       |
| 20. Liner Weight lbs/ream                                 | 83               | 83               | 63                           | 72               | 65               | 65               | 65               | 65               |           |
| 21. Maximum Liner Release                                 | gm/inch          | 85               | 85                           | 85               | 60               | 35               | 35               | 35               | 35        |
|   | Newtons/25mm     | 0.83             | 0.83                         | 0.83             | 0.59             | 0.34             | 0.34             | 0.34             | 0.34      |
| 22. Maximum Width   | inches           | 48               | 48                           | 48               | 48               | 48               | 48               | 48               | 48        |
|   | centimeters      | 122              | 122                          | 122              | 122              | 122              | 122              | 122              | 122       |
| 23. Maximum Length  | yards            | 80               | 145                          | 210              | 145              | 145              | 210              | 210              | 210       |
|   | meters           | 73               | 132                          | 192              | 132              | 132              | 192              | 192              | 192       |
| 24. Approx. Roll Diameter                                 | inches           | 16.5             | 16.6                         | 16               | 16.2             | 17               | 16               | 16               | 16        |
|   | centimeters      | 42               | 42                           | 41               | 41               | 43               | 41               | 41               | 41        |
| 25. Shelf Life years                                      | 2                | 2                | 2                            | 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.

<sup>3</sup> May require primer or other pre-treatment to improve ink adhesion for printing.

\*Reduced adhesion levels and increased liner release may occur after gamma irradiation