



# 3M™ Membrana™ Oxygenation Membrane Series, Type X30-150

## Chemical Composition

|         |               |
|---------|---------------|
| Polymer | Polypropylene |
|---------|---------------|

## Physical Properties

|                                           |                            |
|-------------------------------------------|----------------------------|
| Wall Thickness                            | 20 - 26 $\mu\text{m}$      |
| Outer Diameter                            | 198 $\pm$ 5 $\mu\text{m}$  |
| Inner Diameter                            | 152 $\pm$ 11 $\mu\text{m}$ |
| Outer Diameter Shape Ratio                | $\leq$ 1.2                 |
| Bubble Point                              | $\geq$ 160 psi             |
| Tensile Break Strength                    | $\geq$ 100 g/fil           |
| Elongation at Break                       | $\geq$ 50 %                |
| Shrinkage, Axial Direction (unrestrained) | $\leq$ 5 %                 |

## Membrane Performance Characteristics

|                        |                     |
|------------------------|---------------------|
| Resistance to air flow | 35 – 95 Gurley sec. |
|------------------------|---------------------|

## Available Make-up Configurations

|                                             |
|---------------------------------------------|
| Six filament spools                         |
| Undistorted and distorted single layer mats |

All specifications are based on 3M internal test procedures and represent average lot performance.

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