

| <b>MERV Value</b> | <b>Avg. Particle Size Efficiency %<br/>0.3-1.0 Micron</b> | <b>Avg. Particle Size Efficiency %<br/>1.0-3.0 Micron</b> | <b>Avg. Particle Size Efficiency %<br/>3.0-10.0 Micron</b> | <b>Examples of contaminants trapped</b>   |
|-------------------|---|---|--|---|
| <b>1</b>          | -   | -   | Less than 20%  | Lint<br>Carpet Fibers<br>Sanding Dust<br>Spray Paint Dust<br>Pollen                   |
| <b>2</b>          | -   | -   | Less than 20%  |   |
| <b>3</b>          | -   | -   | Less than 20%  |   |
| <b>4</b>          | -   | -   | Less than 20%  |   |
| <b>5</b>          | -   | -   | 20% - 34%  | Dust Mites<br>Mold Spores<br>Hair Spray<br>Cement Dust<br>Pet Dander                  |
| <b>6</b>          | -   | -   | 35% - 49%  |   |
| <b>7</b>          | -   | -   | 50% - 69%  |   |
| <b>8</b>          | -   | -   | 70% - 85%  |   |
| <b>9</b>          | -   | Less than 50%   | 85% or more  | Milled Flour<br>Humidifier Dust<br>Lead Dust<br>Auto Emissions<br>Welding Fumes       |
| <b>10</b>         | -   | 50% - 64%   | 85% or more  |   |
| <b>11</b>         | -   | 65% - 79%   | 85% or more  |   |
| <b>12</b>         | -   | 80% - 89%   | 90% or more  |   |
| <b>13</b>         | Less than 75%   | 90% or more   | 90% or more  | Bacteria<br>Virus Carriers<br>Small Allergens<br>Tobacco Smoke / Soot / Smog<br>Smoke |
| <b>14</b>         | 75% - 84%   | 90% or more   | 90% or more  |   |
| <b>15</b>         | 85% - 94%   | 90% or more   | 90% or more  |   |
| <b>16</b>         | 95% or more   | 90% or more   | 90% or more  |   |