KIMBERLY-CLARK® Nitrile Glove Chemical Resistance Guide

The Science of Protection.

Use the color code rating system below with the chart at right to determine the chemical compatibility for incidental exposure.

GREEN

The results for this specific chemical suggest that the glove would provide an adequate barrier for use in most applications.

A glove/chemical combination receives a GREEN rating if:
• The permeation breakthrough time is excellent or good and the chemical has high volatility.
OR
• The permeation breakthrough time is excellent and the chemical has low volatility.

YELLOW

The results require additional consideration to determine suitability for use.

A glove/chemical combination receives a YELLOW rating if:
• Any glove/chemical combination does not meet either set of conditions required for a GREEN or RED rating.

RED

Not recommended for use.

A glove/chemical combination receives a RED rating if:
• The permeation breakthrough time is poor and the chemical has low volatility.
OR
• The permeation breakthrough time is not recommended and the chemical has either high or low volatility.

Incidental Exposure Only

KIMBERLY-CLARK® Nitrile gloves are thin gauge disposable gloves designed to provide barrier protection and tactile sensitivity to the wearer. Our thin mil gloves are not designed for applications involving prolonged, direct exposure to chemicals. Our intent in providing this chemical compatibility information is to provide a guideline for use of our thin mil gloves in applications where incidental splash exposure to various chemicals may occur. Gloves should be removed and replaced immediately if incidental splash exposure occurs.

How to Use This Guide
Two categories of data are used to determine a color code for each chemical:
1. Permeation Breakthrough Time
2. Chemical Boiling Point

Criteria for Chemical Resistance Rating

<table>
<thead>
<tr>
<th>Permeation Breakthrough Time (PB)</th>
<th>Boiling Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rating</td>
<td>Volatility</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Excellent (E)</td>
<td>High</td>
</tr>
<tr>
<td>Good (G)</td>
<td>Low</td>
</tr>
<tr>
<td>Poor (P)</td>
<td>Low</td>
</tr>
<tr>
<td>Not Recommended (NR)</td>
<td>High</td>
</tr>
</tbody>
</table>

Precaution: This data was generated from the KIMBERLY-CLARK® STERLING® Nitrile Exam Gloves. This data does not represent gloves thinner than the STERLING® Nitrile glove, such as the KLEENGUARD® G10 Arctic Blue Nitrile Gloves.

For additional information on choosing the right chemical glove for your application, please visit our Chemical Resistance Database at: