



## DISCUSSION OF THE BARRIER, SOL-VEX, NEOTOP AND PVA

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PPE

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### BARRIER

- a 6-layer laminate glove with a thickness of 0.062 mm

<b>Application:</b>	<ul style="list-style-type: none"><li>• An extremely good protective glove for most chemicals, except for – halogenated solvents and ammonia.</li></ul>
<b>Disadvantages:</b>	<ul style="list-style-type: none"><li>• Poor resistance to tears, cuts and punctures.</li><li>• The glove can appear difficult to use, with a poor fit, poor grip and poor level of comfort. This can be resolved by using a disposable glove on the outside of the laminate glove. For those who use various types of chemicals, paints, plant protection products, etc., this means using the Touch N Tuff.</li></ul>
<b>Size:</b>	<ul style="list-style-type: none"><li>• From practical experience, it appears that <i>small</i> sizes of the glove should be worn.</li></ul>

### Sol-Vex (no. 37-675)

- a glove made of nitrile (synthetic rubber), with a thickness of 0.38 mm.

<b>Application:</b>	<ul style="list-style-type: none"><li>• A good protective glove for working with aqueous solutions.</li><li>• Is highly resistant to:<ul style="list-style-type: none"><li>○ inorganic acids and bases, though <i>not to</i> concentrated sulfuric acid (H<sub>2</sub>SO<sub>4</sub>), nitric acid (HNO<sub>3</sub>) and hydrofluoric acid (HF)</li><li>○ simple solvents of the aromatic and aliphatic types, such as hexane, cyclohexane, etc.</li></ul></li><li>• The glove is very suitable for strong alkaline washing agents, e.g. those used for washing glass equipment.</li><li>• Should not be used for ketones and solvents.</li></ul>
<b>Advantages:</b>	<ul style="list-style-type: none"><li>• Has good resistance to wear and tear.</li><li>• Is extremely good against cuts and punctures.</li><li>• Has a good grip when dry.</li><li>• Has a good level of comfort.</li></ul>
<b>Disadvantages:</b>	<ul style="list-style-type: none"><li>• Poor grip when wet.</li></ul>
<b>Size:</b>	<ul style="list-style-type: none"><li>• The size of the glove is “normal”.</li></ul>
<b>Note:</b>	<p>This glove is available in both thicker and thinner designs. This means that changing the quality of the glove will produce a different resistance (breakthrough time) when used with the same type of chemical.</p>



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### Neotop

- the gloves are made of neoprene (synthetic rubber), with a cotton lining and a thickness of 0.75 mm.

<b>Application:</b>	<ul style="list-style-type: none"><li>• A good protective glove when working with concentrated and dilute acids and bases.</li><li>• Has a high level of resistance to alcohols, though not to methanol.</li><li>• Should not be used for organic solvents.</li></ul>
<b>Advantages:</b>	<ul style="list-style-type: none"><li>• Has good resistance to wear and tear and tearing.</li><li>• Is good against cuts and punctures.</li><li>• Is flexible, though less flexible than the Sol-Vex.</li></ul>
<b>Size:</b>	<ul style="list-style-type: none"><li>• The size of the glove is "normal".</li></ul>

### PVA

- the gloves are made of polyvinyl alcohol (PVA)

<b>Application:</b>	<ul style="list-style-type: none"><li>• A protective glove for use when working with anhydrous solvents.</li><li>• Is the only glove with a high resistance to halogenated solvents such as chloroform, dichloromethane, etc.</li><li>• Very suitable when working with aromatic and aliphatic solvents as well as ketones.</li><li>•</li></ul>
<b>Advantages:</b>	<ul style="list-style-type: none"><li>• Has good resistance to wear and tear.</li><li>• Is good against cuts and punctures.</li></ul>
<b>Disadvantages:</b>	<ul style="list-style-type: none"><li>• Many consider the glove worse during use than the BARRIER.</li></ul>
<b>Size:</b>	<ul style="list-style-type: none"><li>• Available only in EU size 9, i.e. unsuitable for women due to the size.</li></ul>
<b>Note:</b>	The glove will dissolve if exposed to water!