



## **POLYURETHANE DRY BOX GLOVE**

### **Polyurethane (U)**



### **Polymer Type**

Polyurethane  
(Polyurethane)

### **Characteristics**

Exceptional mechanical properties (puncture, tear, cut)  
High resistance to Ozone and UV  
Excellent flexibility and dexterity  
Excellent behavior against ionizing radiation  
Nonporous surface which prevents retention of powders

### **Fields of Application**

Nuclear Industries  
Life Sciences (Pharmaceutical/Medical)

### **Cleaning Options**

Rinse with clean water and low temperature dry

### **Storage Conditions**

Store in original packaging between  
35° F to 85° F (1.67° - 29.4° C)

### **Shelf Life**

3 years from DOM

### **Glove Disposal**

Non-recyclable  
Classified non-toxic waste if not contaminated

### **Packaging**

Heat sealed and vacuum packaged by the pair



### **Visible Characteristics**

|                            |  |
|----------------------------|--|
| <b>Material Designator</b> | <b>U</b>   |
| <b>Color</b>               | <b>High Visibility Yellow</b>  |
| <b>Port Sizes</b>          | <b>6", 7", 8", 9", 10", 12", 14"</b><br>156mm, 178mm, 186mm, 220mm,<br>250mm, 300mm, 350mm |
| <b>Hand Styles</b>         | <b>Ambidextrous or Left/Right</b>  |
| <b>Hand Sizes</b>          | <b>8.5, 9.75, 10.5</b><br>*Availability according to port size                             |
| <b>Length</b>              | <b>30", 32", 34" (+/- 1")</b><br>762mm, 813mm, 864mm (+/- 25mm)                            |
| <b>Thickness</b>           | <b>15 mil (0.4mm) nominal</b><br>Min: 12 mil (0.3mm) Max: 30 mil (0.8mm)                   |
| <b>Bead</b>                | <b>0.2" (+/- 0.04")</b><br>(4mm-6mm)   |

### **Mechanical Properties**

|                     |                         |                            |                 |
|---------------------|-------------------------|----------------------------|-----------------|
| <b>Modulus 100%</b> | <b>Tensile Strength</b> | <b>Elongation at Break</b> | <b>Puncture</b> |
| <b>&lt;3.5 MPa</b>  | <b>&gt;48.3 MPa</b>     | <b>&gt;500%</b>            | <b>&gt;40 N</b> |

### **Chemical Properties** (For guidance only)

|  |                    |
|--|--------------------|
| <b>Chemicals</b>                               | <b>Performance</b> |
| <b>Autoclave sterilization</b>                 | -                  |
| <b>Alcohol</b>                                 | -                  |
| <b>Acids, bases</b>                            | -                  |
| <b>Strong oxidizers</b>                        | -                  |
| <b>Ozone, UV, free radicals, natural aging</b> | +++                |
| <b>Ketonic solvents</b>                        | -                  |
| <b>Chlorinated solvents</b>                    | -                  |
| <b>Aromatic solvents and oils</b>              | +                  |
| <b>Aliphatic solvents and oils</b>             | ++                 |

- Not recommended    + Acceptable in certain conditions  
++ Acceptable    +++ Excellent

### **Temperature Limits**

|                              |                               |
|------------------------------|-------------------------------|
| <b>Low Temperature Limit</b> | <b>High Temperature Limit</b> |
| <b>-4° F</b>                 | <b>194° F</b>                 |
| <b>-20° C</b>                | <b>90° C</b>                  |