

## » TECHNICAL RELEASE

# SINGLE USE GLOVE POLYMER COMPARISON

### Know which single use gloves' polymers offer better resistance to:

- puncture
- chemical splash
- allergens

### Are you choosing the right glove?

|                             | Nitrile | Neoprene | Latex |  |
|-----------------------------|---------|----------|-------|--|
| <b>Chemical Resistance*</b> |         |          |       | Nitrile and Neoprene offer a very high level of splash protection.   |
| <b>Electrostatic Decay</b>  |         |          |       | Nitrile exhibits the fastest decay while latex as a material is an insulator and builds up charge.   |
| <b>Fit and Comfort</b>      |         |          |       | Natural Rubber Latex is the most comfortable material. Select styles of Neoprene approach latex's comfort.   |
| <b>Food Compliance</b>      |         |          |       | Latex and nitrile may have FDA and EU food migration certifications while neoprene only qualifies for FDA food certification.                                |
| <b>Puncture Resistance</b>  |         |          |       | Nitrile is the leader in this category.  |
| <b>Strength</b>             |         |          |       | Nitrile will often exceed latex and neoprene in tensile strength performance.  |
| <b>Tear Resistance</b>      |         |          |       | Latex has a slight edge, but initial tear resistance depends on thickness and other processing parameters.   |
| <b>Type I allergy</b>       |         |          |       | Natural rubber latex comes from rubber trees and has lots of allergens raising Type I allergy issues.  |
| <b>Type IV allergy</b>      |         |          |       | Some neoprene and nitrile styles are produced without chemical accelerators and therefore protect against Type IV allergies caused by chemical accelerators. |



### Other Glove Features To Consider When Selecting The Right Glove:

- strong beads at the upper arm prevent cuff roll down
- textured grip
- length
- handling of chemotherapy drugs

\* Against the majority of chemicals.



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