



I U P A C

INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY

Polymers in personal protective equipment (PPE)

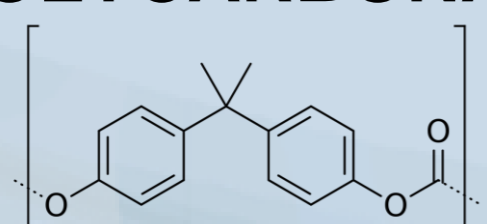
There are various types of PPEs available; what you will use depends on the situation and the actions you have to take. This poster gives a brief overview of different types of PPE and information about each of the individual components, including from what polymer material they are made.

Safety glasses



To protect your eyes against any particles/liquids

POLYCARBONATE



Thermoplastic, transparent, durable

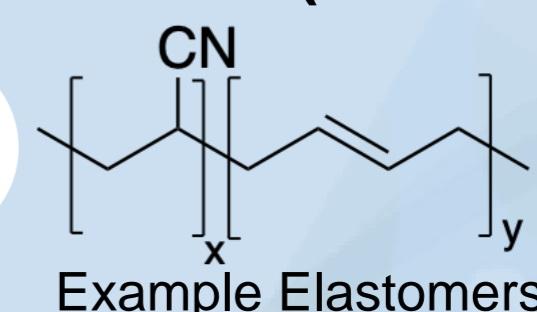


NITRILE gloves



To protect the skin against pathogens

NITRILE (rubber)



2 monomers (co-polymer)

Example Elastomers



Lab coat

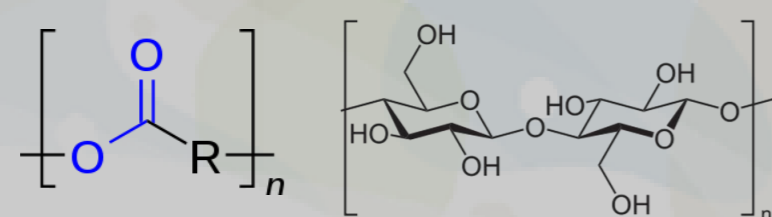


To protect your clothes and skin against dirt and particles.

Mixture of polymer and cotton



POLYESTER /cotton



Thermoplastic, absorbant, elastomer, durable

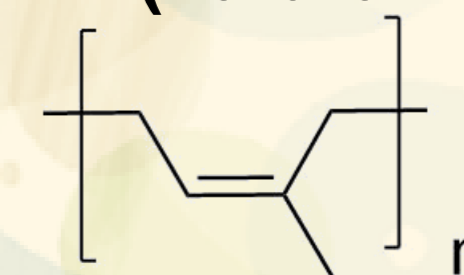


LATEX gloves



To protect against pathogens (might cause allergic reaction)

LATEX (natural rubber)



Elastomer



Natural product or can be synthetically produced

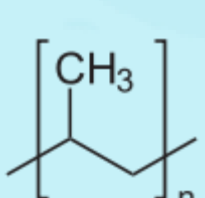


Hair net and shoe covers



To protect the feet and hair against particles / liquids

POLYPROPYLENE



Thermoplastic can be sterilized, durable

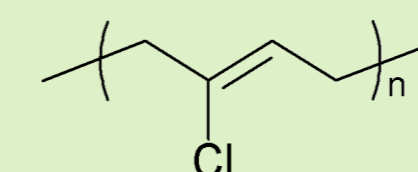


NEOPRENE gloves



To protect the skin against acids, corrosive, and irritant chemicals

POLYCHLOROPRENE



Elastomer, durable, insulating



Check out an interactive version of this poster, by following this link : <http://bit.ly/IUPACPPE>