



1) Identify the appropriate material

MATERIAL		
<p>Natural latex Natural rubber</p>	<p><u>Mechanical resistance</u> - Good resistance to wear and tears - Flexible - Very good grip</p> <p><u>Chemical resistance</u> - Good resistance to watery chemical substances (acids, ketones and caustics)</p> <p><u>Thermal resistance</u> - From -18°C to 150°C</p>	<p><u>Chemical resistance</u> - Poor resistance to many hydrocarbons, oily and greasy substances</p> <p style="text-align: center;"><i>May cause allergic reactions</i></p>
<p>Neoprene (Polychloroprene-based synthetic rubber)</p>	<p><u>Mechanical resistance</u> - Good protection against the risk of cuts and abrasion - Good resistance to UV light and ozone - Very flexible and comfortable</p> <p><u>Chemical resistance</u> - Excellent resistance to acids and bases - Good resistance to organic and aliphatic solvents, oils - Good resistance to sunlight and ozone</p> <p><u>Thermal resistance</u> - From -23°C to 150°C - Does not burn - Maintains all its flexibility despite fluctuations in temperature</p>	<p><u>Mechanical resistance</u> - Lower mechanical resistance than nitrile or latex</p> <p><u>Chemical resistance</u> - Not resistant to aromatic or chlorinated solvents</p>
<p>Nitrile (Acrylonitrile synthetic rubber)</p>	<p><u>Mechanical resistance</u> - Good resistance to abrasion and perforation</p> <p><u>Chemical resistance</u> - Excellent chemical resistance to many substances (oils, grease, alcohols, petroleum products, etc.)</p> <p><u>Thermal resistance</u> - From 4°C to 110°C</p> <p style="text-align: center;"><i>Good alternative for persons suffering from latex allergies</i></p>	<p><u>Mechanical resistance</u> - Low resistance to tears</p> <p><u>Chemical resistance</u> - Low resistance to ketones, oxidising acids, aromatised organic compounds and halogenated substances.</p> <p><u>Thermal resistance</u> - Hardens in cold temperatures</p>
<p>PVC (Also called Vinyl)</p>	<p><u>Mechanical resistance</u> - Long lifespan - Very good abrasion resistance</p> <p><u>Chemical resistance</u> - Good resistance to acids, bases and alcohols</p> <p><u>Thermal resistance</u> - From -34°C to 100°C</p> <p style="text-align: center;"><i>Good alternative for persons suffering from latex allergies</i> <i>Moderate costs</i></p>	<p><u>Mechanical resistance</u> - Low mechanical resistance (except to abrasion)</p> <p><u>Chemical resistance</u> - Low resistance to ketones, aldehydes and aromatic or halogenated hydrocarbons - Average resistance to oils and grease</p> <p><u>Thermal resistance</u> - Hardens in very cold environments</p> <p style="text-align: center;"><i>Difficult to recycle</i></p>
<p>Butyl (Synthetic rubber)</p>	<p><u>Mechanical resistance</u> - Good resistance to tears - Maintains its properties for ten years</p> <p><u>Chemical resistance</u> - High resistance to strong acids, ketones, esters, glycol ethers, etc. - Impermeable to gas</p>	<p><u>Chemical resistance</u> - Low resistance to hydrocarbons and aliphatics - Very significant effects from contact with fuel and aromatic solvents</p>