## Unigloves

## Glove Characteristics

Material	PE	Vinyl	Nitrile	Latex
Composition / source	Polyethylene	Polyvinylchloride	Acrylonitrile and butadiene	Cis 1,4 Polyisoprene
Strength / durability	<b>● ●</b> Very poor, breaks easily in use	Poor, breaks and punctures easily in use	Good, possesses some puncture resistance	Good, strong and durable
Puncture resistance	<b>••••••••••••••••••••••••••••••••••••</b>	€ Low tensile strength, puncture easily during use	Has puncture resistant properties	Has puncture resistant properties
Tear resistance	<b>♥ •</b> Very poor	<b>♥</b> Poor	<b>€</b> Poor	<b>⊙</b> Good
Chemical barrier properties	Extremely poor protection, soluble in some solvents including alcohol	Limited protection, eaily permeated by organic solvents, oils and alocohol	Resists most solvents better than latex, but sensitive to alcohols and ketones	Good protection from most caustics and detergents, soluble to solvents including alcohol
Strength deterioration in $0_2$ , $0_3$ and UV light	<b>€</b> Yes	<b>⊙</b> No	• Yes	<b>◆</b> Yes
Elasticity	••• •• Dexterity very compromised	• Dexterity compromised	Less than latex, over time tends to cramp wearer's hand if tight	<b>⊙ ⊙</b> Very good
Softness	<mark>-</mark> Fair	<mark>=</mark> Fair	<b>⊙</b> Good	<b>○ ○</b> Very good
Fit and comfort	<b>♥ ♥</b> Very limited	Loose cuff, fit limited	<b>⊙</b> Tighter fit	<b>○ ○</b> Very comfortable
Allergenicity	Contains no latex proteins, but contact dermatitis reported from additives	Contains no latex proteins, but dermatitis and other complaints reported from additives	Contains no latex proteins, but dermatitis reported from accelerators and other additives	Contains latex proteins, low powder is always recommended
Use	Short task, single use	Single use	Single use	Single use
Wear life	< 5 mins.	15-30 mins.	< 1 hour	1-2 hours
Cost per use	<b>⊙ ⊙</b> Very low	Low	<del>_</del> Moderate	<b>€</b> Low
Advantages	Low cost, lightweight and mild chemical resistance	Low cost, no protein aller- gens, resists acids, alkalis, fats and resists ageing	Moderate cost, good physical properties and dexterity	Good elasticity and dexterity, low cost, good physical properties and memory
Disadvantages	Only for short-duration tasks, limited fit, feel and strength, dangerous around high heat	Moderate flexibility, limited fit and feel, punctures and fatigues easily, contains irritating chemicals, plasti- cisers can leach	Limited fit, feel and flexibil- ity, poor memory, possible finger fatigue, contains sensitising chemicals	Not good for use with oils, greases, organics, large quality variations, contains allergens and sensitisers