

Ansell Sol-Vex® 37-176



Chemical Resistant

**Ansell**



# The Importance of Chemical Safety

Research reveals that at least 80% of body exposure to chemicals is to the hands. The effect of this exposure ranges from the onset of dermatitis to severe chemical burns. Chemicals can also be absorbed through the skin which can lead to acute poisoning, seizures, unconsciousness and even death. Meticulous care must be taken when handling chemicals. However, no single glove can provide complete barrier protection to all chemical types.

Each chemical, or 'chemical cocktail', has its own unique characteristics and persons handling chemicals need to ensure they have the right glove for the right job.

Ansell is the global leader in chemical handling protection with a range of gloves designed to manage practically any chemical handling application.

## The Ansell Sol-Vex® Range



**Sol-Vex®** is the cornerstone of the Ansell chemical resistant glove range and has been providing broad range chemical protection for workers around the globe for decades.

At Ansell, we understand that there's more to providing chemical protection than matching a glove compound to a certain chemical. The glove must also be able to meet practical performance requirements that ensure appropriate protection.

For example,

- If the glove is being used in handling heavy material with rough edges, it must provide some cut protection.
- If components are oily, the glove should provide grip for sure handling, and if additional splash protection is required it must be long enough.
- The gloves must be comfortable so workers are encouraged to wear them and allow them to perform their jobs with ease.

The **Ansell Sol-Vex®** range of nitrile product is available in a broad range of variants that will address all of these requirements and more. You can choose from varying thicknesses, lengths, glove linings and grip patterns to suit your specific needs.

**Sol-Knit™**, a close relation to the **Sol-Vex®** family, is available in the form of a 'supported' nitrile glove that comes with a cotton interlock liner for added strength. While **TNT™** provides a disposable nitrile alternative, which is ideal for light-duty applications.

Code	Description	Grip Pattern	Length	Sizes	Colour
<b>Sol-Vex® – Unsupported Nitrile Range</b>					
37-145	Unlined, 0.28mm thickness	Sandpatch	330mm	6-11	Green
37-165	Unlined, 0.56mm thickness	Sandpatch	375mm	7-11	Green
37-175	Flocklined, 0.38mm thickness	Sandpatch	330mm	6-11	Green
37-185	Unlined Gauntlet length, 0.56mm thickness	Sandpatch	455mm	7-11	Green
37-676	Flocklined, 0.38mm thickness	Aggressive	330mm	7-11	Green
37-500	Flocklined, 0.38mm thickness	Aggressive	330mm	7-11	Blue
<b>Sol-Knit™ – Supported Nitrile Range</b>					
39-122	Knitted cotton liner	Rough	310mm	7-10	Green
39-124	Knitted cotton liner with extended cuff	Rough	350mm	8-10	Green
<b>TNT™ – Disposable Nitrile Range</b>					
92-500	Thin nitrile – Powdered	Textured Fingers	240mm	S-XL	Green
92-600	Thin nitrile – Powder-free	Textured Fingers	240mm	S-XL	Green
92-675	Thin nitrile – Powder-free	Textured Fingers	240mm	S-XL	Blue



# Introducing the New Sol-Vex® 37-176

**Comfort, Performance & Protection** – The new Sol-Vex® 37-176 meets these critical requirements using the same successful formula that has made Sol-Vex the leading chemical resistant glove around the world. This addition to the range comes from Ansell's Asian production facilities and incorporates the latest in nitrile glove manufacturing techniques.



## Features and Benefits

**Comfort and Fit** – Sol-Vex® 37-176 uses a specially designed mould that is based on typical Asian hand sizing for greater comfort and fit.

**Durability and Performance** – Its durable construction comes from using more nitrile and less internal adhesive. (see Fig. 1)

**High Performance Nitrile** – Ansell's nitrile formula reaches high standards of mechanical performance with unrivalled abrasion and puncture resistance as well as superior chemical resistance.

**Grip** – Ansell's recessed diamond pattern uses a gradual incremental profile. (see Fig. 2)

**Sweat Absorption** – Ansell's cotton 'flock' lining provides a more comfortable fit and helps absorb sweat keeping the hand dry. (see Fig. 3)

**Occupational Protective Glove Standards Compliance** – provides peace of mind on product capabilities.

## Specifications

Product Code	Description	Grip Pattern	Thickness	Length	Sizes	Packing
37-176	Flocklined Nitrile	Recessed diamond	0.38mm	330mm	7, 8, 9, 10, 11	Pair packs. 144 pairs per carton



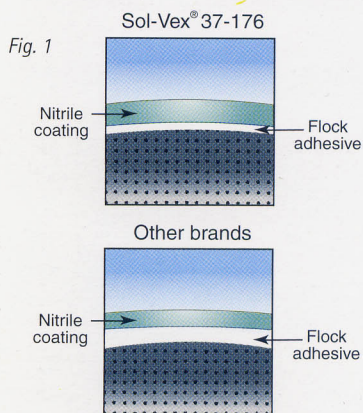
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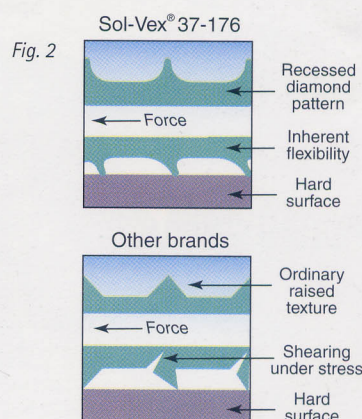


## The Sol-Vex® 37-176 Difference



Some nitrile gloves currently on the market give the impression of superior thickness by applying a thick layer of flock adhesive. This, of course, gives no additional protective characteristics to the glove.

Ansell's Sol-Vex® 37-176 has a comparatively thicker layer of nitrile – the critical component of superior protection.



Ansell's 'reinforced' grip pattern is designed to withstand force and not split under stress, whereas other brands that feature ordinary raised texture are more susceptible. The result: less abrasion resistance and a higher risk of chemical permeation.

Ansell Sol-Vex® gloves are tapered for superior fit and comfort.

Ansell Sol-Vex® 37-176



# Occupational Protective Glove Standards

Our range complies with European Standards which have been developed to create a product performance benchmark to provide an assurance of quality and to clarify performance limitations.

**EN 420:1994: General Requirements** This standard defines the general requirements for ergonomics, glove construction, high visibility, innocuousness, cleaning, comfort and efficiency, marking and information applicable to all protective gloves.

**EN 388:1994: Protection against mechanical risks** This standard is applicable to all kinds of protective gloves with regards to physical and mechanical aggressions caused by abrasion, cut, tear and puncture. Further optional testing of impact cut resistance and anti-static performance may also be performed.

## The four basic tests that define EN 388 are:

**Abrasion Resistance:** How well does the material of the glove resist exposure to repeated abrasion?

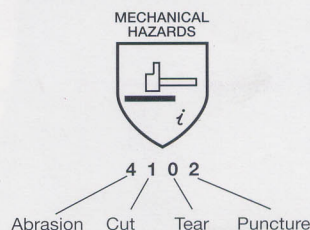
**Cut Resistance:** What level of cut resistance is provided by the material?

**Tear Resistance:** What force is needed to enlarge by tearing a pre-cut hole in the material of the glove?

**Puncture Resistance:** What force is needed to puncture the palm of the glove with a calibrated spike?

Gloves are tested for each of these properties and results reported as performance ratings. The higher the rating, the better the glove is with respect to this category. Further optional testing of impact and anti-static performance may also be performed.

**Mechanical Hazards Pictogram.**  
The ratings underneath the pictogram refer to the gloves' protection with respect to: abrasion, cut, tear and puncture.



Test	Level 1	Level 2	Level 3	Level 4	Level 5
Abrasion Resistance (# of cycles)	100	500	2000	8000	—
Blade Cut Resistance (index)	1,2	2,5	5,0	10,0	20,0
Tear Resistance (Newton)	10	25	50	75	—
Puncture Resistance (Newton)	20	60	100	150	—

## Ansell Adds Value

At Ansell, we don't just sell product – we provide solutions. Our range of 'value add' programs and tools help us to deliver safety, efficiency and profitability to your organisation. Here's an example of two initiatives designed to provide information and advice and ensure safe chemical handling.



**SpecWare™** is our Chemical Handling software program that provides you with glove use recommendations for a vast array of commonly used chemicals. You can access it on our website at [www.ansellasiapacific.com](http://www.ansellasiapacific.com) or with our hard copy **SpecWare™** guide which is available on request.



**Ansell chemsafe™** is an education and awareness initiative created by Ansell to provide valuable information on many aspects of safe chemical handling. This information is contained on our dedicated website at [www.ansellchemsafe.com](http://www.ansellchemsafe.com) and is updated regularly to ensure you have access to the latest, most up to date information.

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