

# SCUBA GASKETS.com

DuPont Performance Elastomers has set for **Viton®**, which is manufactured at ISO 9002 registered facilities worldwide.

## Are all fluoroelastomers "Viton®" fluoroelastomers?

In a word, no! Only DuPont Performance Elastomers manufactures **Viton®** fluoroelastomer. Because **Viton®** is an established industry standard, many people incorrectly refer to any and all fluoroelastomers as **Viton®**. To ensure you're getting the highest quality fluoroelastomer available, insist on products made only with DuPont Performance Elastomers **virgin Viton®**.

## How do I know I am getting o-rings made with Genuine Viton® fluoroelastomer?

**Look and Ask! Be sure to make Viton®** an element of your part specification. When parts are shipped, look for the **Genuine Viton® trademark**. **Not every supplier has** a right to use the word Viton® in its products!



## Why does VITON® matter?

It is your guarantee of product integrity. When you use products that carry this trademark, compliance to OSHA Mechanical Integrity Section 1910.119 is assured. It means that the parts offer the superior performance that only DuPont Performance Elastomers Viton® fluoroelastomer provides. Other fluoroelastomer parts may include blends and other rubbers that deliver inferior heat and fluid resistance performance.

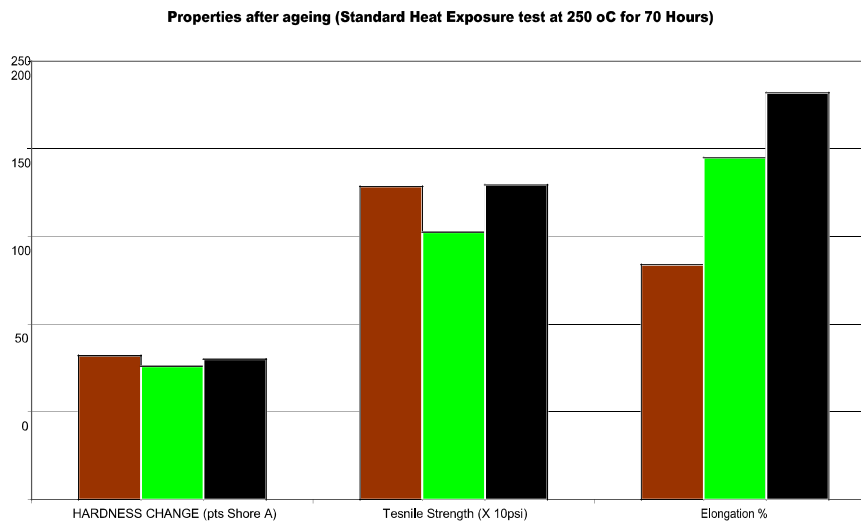
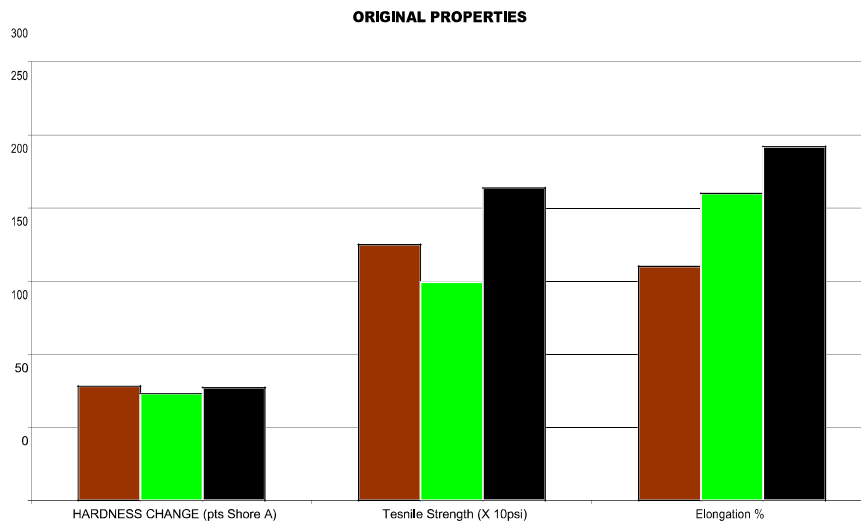
## Who can use the word "VITON®"?

Only manufacturers who have signed a formal agreement with DuPont Performance Elastomers can use this trademark on their products. The manufacturers are selected carefully for their knowledge, their quality standards and for their ability to help you select the **correct type of Viton® for your application**. A well-written specification will communicate your needs to your supplier, who has up-to-date **information about the variety of Viton®** performance types and who can suggest the most cost-effective recommendation.

## Why your o-rings come in black color?

This was a tough decision we had to make. We chose black because of its superior properties over brown or green material. The tests showed that Black Viton compared to Green or Brown Viton, with all parameters constant except for the color, is favorable. It has higher strength, better stability and better elastic properties originally (brand new), and also after exposure to extreme situations that cause material fatigue. It also possesses higher resistance to surface damage.

The production of any color material is feasible but requires the addition of pigments and other chemicals which by definition change the **elastomer's physical characteristics**. As divers we are all highly sensitive to quality issues. We would be very reluctant to compromise any amount of quality for the sake of being able to identify Viton by color. Furthermore we should be aware that nitrile-type and other materials may indeed be produced in green or brown or any other color we can imagine. If we judge only by color then there is a great risk of falling into errors. We have chosen to sacrifice the easy identification by color for getting the benefit of the best possible quality. The graphs below compare the characteristics within a range of **DuPont's Viton Elastomers** (reference below). You will identify the superiority of black elastomer with regards to Tensile strength, elongation characteristics and stability over heat exposure:



## What else do we mean by quality?

- 18 Years of O-ring Technical Expertise in the industry: (including general industry, heavy chemical industry (offshore) Automotive, Water and Heating and others. Also we are very much involved in the Aerospace industry, working closely with all leading European companies . This assures you that you have the best selection for SCUBA gear with regards to technical characteristics.



- The o-rings are packed in shocked-proved containers, protected from damage by mechanical pressure that may cause material deterioration and hence alteration of the o-ring sealing characteristics.

- The o-rings are packed in opaque containers, protected from UV-light that may cause material deterioration and hence alteration of the o-ring sealing characteristics.

- The o-rings are packed in straight-sided jars, which have been specifically designed so you can place them on top of each other and save storage space.

- The containers are closed with safety seal, which allows you to ensure quality before you buy by checking that the seal is in place.



- The jars have wide mouth either 5cm or 7,5cm which makes them ideal to work from in the work bench. You don't need to find a bulky o-ring kit box to store all different types of o-rings that you are using. Just use the o-rings containers. No more mixing up, and no more mess inside the big boxes. Have you ever drop an open big box with 30 different o-ring sizes?